







NOMENCLATURE  
OF  
MOLLUSCOUS ANIMALS  
AND SHELLS  
IN  
THE COLLECTION  
OF THE  
BRITISH MUSEUM.

[by William Baird]

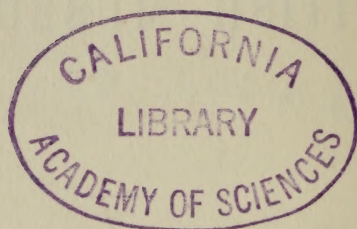
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PART I. CYCLOPHORIDÆ.

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PRINTED BY ORDER OF THE TRUSTEES.

LONDON: 1850.



LONDON :  
SPOTTISWOODES and SHAW,  
New-street-Square.

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QL 406  
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## P R E F A C E.

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THE object of this Nomenclature is to present a Catalogue of the well-established Species of Mollusca, with references to where they are described and figured, and to the most important synonyma ; to give a List of the Specimens contained in the Museum collection, with an indication of their habitat and origin ; and to point out the Desiderata of that collection at the period of publication.

The list must only be considered as prefatory to a more comprehensive Catalogue.

JOHN EDWARD GRAY.

British Museum,  
March, 1850.



## THEY ARE

The object of this *Monograph* is to present a catalogue of the well-established species of *Alouatta*, with references to where they are described and figured, and to the most important specimens; to give a list of the specimens now in the Museum collection, with an indication of their habitat and origin; and to point out the individuals of that collection at the period of publication.

The two most only for consideration as pertaining to a more complete Catalogue.

JOHN EDWARD GRAY.

British Museum,  
March 1860.

# LIST OF CYCLOPHORIDÆ.

## FAM. I. CYCLOPHORIDÆ.

- Mollusca phaneropneumona *Gray, Lond. Med. Rep.* 1821.  
*M. pneumonopoma Latr.*  
Cyclostomina *M. Edwards.*  
Cyclostomoidea *Fitzinger, Syst. Verz.* 115. 1833.  
Cyclostomaceen *Pfeiffer, Menke und Pfeiffer, Zeitsch. für Malak.* 1847, 101.  
Cyclophoridæ *Gray, Proc. Zool. Soc.* 1847, 181.  
Cyclostomidæ *Gray, Turton. Man.* ed. 2. 102. 273. (1840).  
Cyclostomidæ (pars) *D'Orb. Moll. Canar.* 1837 ?, *Moll. Cuba*, i. 199. 236. 1841  
Cyclostomacea *Menke, Syn.* ed. 2. 39. 1830 ; *Pfeiffer, Symb. Hist. Helic.* i. 4. 1841, in *Chemn. Conch.* ed. 2. i. 19. 7. 1846.  
Cyclostomacea (pars) *Anton. Verz.* xiii. 52. 1839 ; *Reeve, Conch. Syst.* ii. 90.  
Cyclostomiatae *Menke, Syst.* 22. 1828.  
Turbinina *Férussac, Prod.*  
Turbinacea (pars) *Rafin. Annal. Nat.* 144. 1815.

- A. *Operculum orbicular often concave externally, of many very gradually enlarging whorls, nucleus central.*  
a. *Operculum thick, formed of two laminæ, with a groove on the edge between them ; the outer layer calcareous, usually furnished with a raised border on the outer edge, forming a spiral ridge or fringe.*

### 1. CYCLOTUS.

*Operculum* thick, testaceous ; outer surface rather concave ; whorls numerous, very gradually enlarging, fringed.—*Shell* subturbinate, depressed or discoidal. Mouth simple, or with a reflexed outer lip. Peristome continued, or joined by a callous margin ; straight or reflexed.

*Cyclotus Guild.* in *Swains. Malac.* 1840, 186.; *Gray, Syn. B. M.* 1842, 9., *Proc. Zool. Soc.* 1847, 182.; *Hermann. Ind. Gen. Moll.* i. 350.

*Aperostoma Troschel, Zeitsch. f. Malak.* 1847, 44.; *Pfeiffer in Menke und Pfeiffer's Zeitsch. f. Malak.* 1847, 104.

β. *Poteria Gray, Syn. B. M.* 1840.

§ *Whorls in front of the axis rounded.*

\* *Whorls of operculum very narrow. Peristome nearly straight.*

† *Whorls of shell near suture simple.*

### 1. CYCLOTUS GIGANTEUS.

*Cyclostoma giganteum Gray, MS. Brit. Mus.; Sow. Proc. Zool. Soc.* 1843, 30., *Thes. Conch.* i. 92. n. 5. t. 23. f. 8, 9.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 11. n. 2. i. 19. t. 1. f. 11—14.; *Reeve, Conch. Syst.* t. 184. f. 17.

*Cyclost. Cumingii?* *Jay, Cat. of Shells,* t. 7. f. 4, 5.

*Aperostoma giganteum Pfeiffer, Zeit. Mal.* 1847, 104. n. 1.

a. Adult. S. America.

b. St. Elena, W. Columbia. Adult; weathered. Presented by R. B. Hinds, Esq.

### 2. CYCLOTUS CINGULATUS.

*Cyclost. cingulatum Sow. Thes. Conch.* i. 93. n. 9. t. 29. f. 213, 214.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 22. f. 20—22.

*Aperostoma cingulatum Pfeiffer, l. c.* 104. n. 2.

*Hab.* New Granada.

### 3. CYCLOTUS INCA.

*Cyclost. Inca D'Orb. Mag. de Zool.* 1835, 29., *Amér. Mérid.* 361. t. 16. f. 21—23.; *Sow. Thes. Conch.* i. 92. n. 6. t. 24. f. 71, 72.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* xii. n. 3. 1. 19. t. 1. f. 5—7.

*Cyclost. Blanchetianum Moricand, Mém. de Genève,* vii. 1836, 442. t. 2. f. 21—23.; *Potiez et Mich. Gal. de Douai,* 233. t. 23. f. 21, 22.; *Lamck. An. s. Vert.* 2d. edit. viii. 366. n. 29.

*Cyclost. nobile Fér. Mus.* (fide *Potiez et Mich.*)

*Aper. Inca Pfeiff.* l. c. 104. 48.

a—e. Bolivia, Yungas.

### 4. CYCLOTUS BRASILIENSIS.

*Cyclost. Brasiliense Sow. Thes. Conch.* i. 92. n. 4. t. 23. f. 7.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 12. f. 13—15.



? Cyclost. prominulum *Férus*.

Aper. Brasiliense *Pfeiff*. l. c. 104. n. 12.

a, b. Rio Janeiro. Presented by J. E. Gray, Esq.

#### 5. CYCLOTUS? DUFFIANUS.

Cyclost. Duffianum *Adams*.

Aper. Duffianum *Pfeiff*. l. c. 104. n. 9.

*Hab.* Jamaica.

#### 6. CYCLOTUS STRAMINEUS.

Cyclost. stramineum *Reeve*, *Proc. Zool. Soc.* 1843, 41.; *Sow. Thes.*

*Conch.* i. 93. n. 8. t. 29. f. 211, 212.; *Pfeiffer*, *Kuster*, *Chemn.*

*Conch. Cab.* 94. n. 90. i. 19. t. 12. f. 6, 7.

Aper. stramineum *Pfeiff*. l. c. 104. n. 11.

*Hab.* Merida, in the Columbian Andes.

#### 7. CYCLOTUS PLEBEJUS.

Cyclost. plebeium *Sow. Proc. Zool. Soc.* 1843, 60., *Thes. Conch.* i.

94. n. 12. t. 25. f. 40.; *Pfeiffer*, *Kuster*, *Chemn. Conch. Cab.* 56.

n. 50. i. 19. t. 7. f. 14, 15.

Aper. plebejum *Pfeiff*. l. c. 104. n. 15.

a—c. Calauang in Luçon. From Mr. Cuming's Collection.

†† *Whorls of shell with a ridge near the suture.*

#### 8. CYCLOTUS SUTURALIS.

Cyclost. suturale *Sow. Thes. Conch.* i. 91. n. 1. t. 23. f. 1, 2.; *Pfeiffer*,

*Kuster*, *Chemn. Conch. Cab.* i. 19. t. 12. f. 10—12.

Aper. suturale *Pfeiff*. l. c. 104. n. 14.

a. Demerara.

b—f. Jamaica. Presented by the Rev. Barham Zincke.

\*\* *Whorls of operculum very narrow. Peristome double; inner lip simple, outer expanded. — Cyclostus Swains., passing to Pterocyclos.*

#### 9. CYCLOTUS DISTOMELLUS.

Cyclost. distomella *Sow. Thes. Conch.* i. 114. n. 68. t. 25. f. 94.;

*Pfeiffer*, *Kuster*, *Chemn. Conch. Cab.* 95. n. 91. i. 19. t. 12. f. 4,

5. t. 28. f. 14, 15.

Aper. distomella *Pfeiff*. l. c. 184. 16.

a, b. ——— ?

c. Var. small. ——— ?

## 10. CYCLOTUS HEBRAICUS.

Valvata hebraica *Lesson, Voy. Coquille, Zool.* ii. 347. t. 13. f. 8.  
 Cyclost. distomella *Pfeiffer, Kuster, Chemn. Conch. Cab.* 95. n. 91.  
 Cyclost. papua *Quoy & Gaim. Voy. Astr.* ii. 185. t. 12. f. 23—26.  
 Aper. hebraicum *Pfeiff.* l. c. 104. 17.

*Hab.* New Guinea?

## 11. CYCLOTUS DISCOIDEUS.

Cyclost. discoideum *Sow. Thes. Conch.* i. 111. n. 60. t. 25. f. 87,  
 88.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 20. f. 1—3.  
 Aper. discoideum *Pfeiff.* l. c. 104. 19.

*Hab.* Demerara.

## 12. CYCLOTUS MUCRONATUS.

Cyclost. mucronatum *Sow. Proc. Zool. Soc.* 1843, 63., *Thes. Conch.*  
 i. 113. n. 66. t. 25. f. 91.; *Pfeiffer, Kuster, Chemn. Conch. Cab.*  
 58. n. 52. i. 19. t. 7. f. 11—13.  
 Aper. mucronatum *Pfeiff.* l. c. 104. 20.

*a—i.* Calauang in Luçon. From the Collection of Mr.  
 Cuming.

## 13. CYCLOTUS ? ATRAMENTARIUS.

Cyclost. atramentarium *Sow. Thes. Conch.* i. 128. n. 105. t. 30. f.  
 236.; *Pfeiffer,* l. c. 106. 78.; *Kuster, Chemn. Conch. Cab.* i. 19.  
 t. 18. f. 17, 18.

*Hab.* — ?

## 14. CYCLOTUS PLANORBULUS.

Cyclost. planorbulum *Lamck. Enc. Méth.* t. 461. f. 3., *An. s. Vert.*  
 2d ed. viii. 353. n. 1.; *Sow. Thes. Conch.* i. 110. n. 58. t. 25. f. 83  
 —86.; *Desh. Enc. Méth. Vers.* ii. 39. n. 1.; *Kuster, Chemn.*  
*Conch. Cab.* i. 19. t. 22. f. 6—16.

Cornu venatorium *Chemn. Conch. Cab.* ix. 104. t. 127. f. 1132—  
 1133.; *Gmel. Syst. Nat.* 3641. n. 227. ?; *Petiver, Gazoph.* t. 1.  
 f. 6.

Aper. planorbulum *Pfeiff.* l. c. 104. n. 18. a. b.

Cyclot. planorbulus *Gray, Proc. Z. Soc.* 1847, 182.

*a.* Philippine Islands. Large.

*b—d.* Philippine Islands. Small. From the Collection of  
 Mr. Cuming.

## 15. CYCLOTUS RUPESTRIS.

*Pterocyclos rupestris* *Hutton's MSS. B. M.; Benson.*

*a, b.* India.

\*\*\* *Whorls of operculum, very narrow. Peristome simple, reflexed.*

## 16. CYCLOTUS SUBSTRIATUS.

*Cyclost. substriatum* *Sow. Proc. Zool. Soc. 1843—61., Thes. Conch. i. 113. n. 67. t. 25. f. 35.; Pfeiffer, Kuster, Chemn. Conch. Cab. 57. n. 51., i. 19. t. 7. f. 18—29.*

*Aper. substriatum* *Pfeiff. l. c. 104. n. 21.*

*a—c.* Island of Siquijor. From the Collection of Mr. Cuming.

## 17. CYCLOTUS EXIGUUS.

*Cyclost. exiguum* *Sow. Thes. Conch. i. 112. n. 63. t. 25. f. 92.*

*Aper. exiguum* *Pfeiff. l. c. 104. n. 23.*

*Hab.* — ?

## 18. CYCLOTUS PUSILLUS.

*Cyclost. pusillum* *Sow. Proc. Zool. Soc. 1843, 9., Thes. Conch. i. 94. n. 10. t. 23. f. 5. 5.\*; Pfeiffer, Kuster, Chemn. Conch. Cab. 59. n. 53. i. 19. t. 7. f. 16—17.*

*Aper. pusillum* *Pfeiff. l. c. 104. n. 22.*

*a—f.* Isle of Luçon. From the Collection of Mr. Cuming.

*g—i.* Philippine Islands. Var. small. From the Collection of Mr. Cuming.

## 19. CYCLOTUS MEXICANUS.

*Cyclost. Mexicanum* *Menke, Synops. 1830, 135.; Sow. Thes. Conch. i. 112. n. 64. t. 25. f. 93.; Philippi, Abbild. und Beschr. Conch. i. 104. t. 1. f. 4.; Pfeiffer, Kuster, Chemn. Conch. Cab. 56. n. 49. i. 19. t. 7. f. 21—22.*

*Aper. Mexicanum* *Pfeiffer, l. c. 104. n. 10.*

*a.* Mexico. Presented by J. E. Gray, Esq.

## 20. CYCLOTUS PFEIFFERI.

*a.* With operculum. — ? Presented by J. E. Gray, Esq.

## 21. CYCLOTUS? ORBELLUS.

*Cyclost. orbella* *Lamck. An. s. Vert. vi. 148. 2d ed. viii 360. n. 22., De Lessert, Rec. Coq. t. 29. f. 13.; Sow. Thes. Conch. i. 93. n. 7. t. 23. f. 6.\* 6.\*\*; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 20. f. 4—6.*



*Cyclost. variegatum* *Férussac*.

*Cycloph.?* *orbellus* *Pfeiffer*, l. c. 108. n. 38.

*a.* — ?

\*\*\*\* *Whorls of operculum rather wide. Peristome straight. —*  
*Passing to Tropidophora.*

## 22. CYCLOTUS TRANSLUCIDUS.

*Cyclost. translucidum* *Sow. Proc. Zool. Soc.* 1843, 29. 106. n. 46.,  
*Thes. Conch.* t. 23. f. 4.; *Pfeiffer, Kuster, Chemn. Conch. Cab.*  
 13. n. 4. i. 19. t. 1. f. 8—10.

*Aper translucidum* *Pfeiff.* l. c. 104. n. 5.

*a—f.* — ?

*g—i.* Central America. From the Collection of Mr. Cuming.

## 23. CYCLOTUS INCONSPICUUS.

*Cyclost. Popayanum* *Lea, Obs. on the genus Unio*, ii. 94. t. 23. f. 76.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* 55. n. 48. i. 19. t. 7. f. 7—  
 10.

*Cyclost. inconspicuum* *Sow. Thes. Conch.* i. 109. n. 56. t. 24. f. 73.,  
 74.

*Aper. Popayanum* *Pfeiff.* l. c. 104. n. 6.

*a, b.* New Granada.

## 24. CYCLOTUS ASPERULUS.

*Pyxis* sp. *Humph. MS.*

*Cyclost. asperulum* *Sow. Thes. Conch.* i. 91. n. 2. t. 23. f. 3.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 20. f. 16—17.

*Aper.?* *asperulum* *Pfeiff.* l. c. 104. n. 7.

*a—c.* Jamaica. From the Collection of Mr. Cuming.

## 25. CYCLOTUS CONOIDEUS.

*Cyclost. conoideum* *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t.  
 13. f. 19—21.

*Cyclost. spurcum* *Sow. Thes. Conch.* i. 99. n. 26. t. 24. f. 75, 76.

*Trop. conoidea* *Pfeiff.* l. c. 107. n. 15.

*a, b.* S. America (collected by Capt. Fitzroy, R.N.). Pre-  
 sented by J. E. Gray, Esq.

## 26. CYCLOTUS SEMISTRIATUS.

*Cyclost. semistriatum* *Sow. Thes. Conch.* i. 19. n. 3. t. 23. f. 6.; *Kuster,*  
*Chemn. Conch. Cab.* i. 19. t. 20. f. 10—12.

*Cyclost. fasciatum* Hutton, *MS. B. M.*

*Cyclost. albus* Hutton, *MS. B. M.*

*Aper. semistriatum* Pfeiff. l. c. 104. n. 13.

*a—c.* Banks of Ganges.

§§ *Whorls in front of axis keeled. Peristome straight.*—*Poteria* Gray, *Syn. Brit. Mus.* 1840, 1842, 91.

## 27. CYCLOTUS LINEATUS.

*Cyclostoma jamaicense* Sow. *Thes. Conch.* i. 96. n. 15. t. 23. f. 12, 13., not Gray.

*Aper. jamaicense* Pfeiff. l. c. 104. n. 3.

*a.* Jamaica.

*b, c.* Jamaica. Presented by Rev. Barham Zincke.

## 28. CYCLOTUS JAMAICENSIS.

*Cyclost. corrugatum* Menke, *Cat. Malak.* 10.; Sow. *Proc. Zool. Soc.* 1843, 30., *Thes. Conch.* i. 95. t. 23. f. 10, 11.; Pfeiffer, Kuster, *Chemn. Conch. Cab.* 17. n. 8. i. 19. t. 2. f. 13, 14.

*Turbo jamaicensis* Chemn. *Conch.* xi. t. 209. f. 2057, 2058.

*T. (Cyclostoma) jamaicensis* Gray in *Wood's Cat. Supp.* t. 6. f. 3.; *Lister, Conch.* t. 55. f. 51.; *Sloane, Jamaica*, ii. t. 240. f. 84.

*Aper. corrugatum* Pfeiff. l. c. 104. n. 4.

*a—h.* Jamaica.

*i—k.* Jamaica. Presented by Professor C. B. Adams.

*l, m.* Jamaica. Var. with operculum ridges higher. Presented by Rev. Barham Zincke.

## 2. PTEROCYCLOS.

*Operculum* shelly, many whorled, spirally lamellated, externally very convex, internally concave. — *Shell* broadly umbilicated, rather discoidal. Peristome double; the internal short, cut on the right margin, the external dilated above into a roof-shaped beak.

*Spiraculum* Pearson, *Journ. As. Soc. Bengal*, ii. 590. 1833 ?

*Steganotoma* Troschel, *Wieg. Arch.* 163, 1837; *Philippi, Abbild. und Besch.* 1844.

*Pterocyclos* Benson, *Journ. Asiat. Soc. Beng.* 1832, i. 11., *Zool. Jour.* v. 462. 1834; Gray, *Syn. B. M.* 1840, 133., 1842, 91, *Proc. Zool. Soc.* 1847, 182.; *Troschel, Menk. Z. f. Malak.* 1847, 44.; Pfeiffer in *Menke und Pfeiffer, Z. f. Malak.* 1847.

*Cyclostoma* sp. Sow. *Thes. Conch.*

§ *Periostraca spinulose.* Mouth with a reflexed lobe near the suture.

1. PTEROCYCLOS PRINSEPSI.

*Pterocyclos Princepsi* Von Busch in *Pfeiffer*, l. c. 111. n. 3.;  
*Kuster, Chemn. Conch. Cab.* i. 19. t. 24. f. 7. 10.

*Steganotoma Princepsi* Von Busch in *Philippi, Conch. Abbild.* 10.  
t. 1. f. 6.

a. India. Presented by Dr. Horsfield.

2. PTEROCYCLOS HISPIDUS.

*Cyclot. spiraculum* Sow. *Thes. Conch.* i. 110. n. 59. t. 31. f. 270—  
272.

*Spiraculum hispidum* Pearson, *Jour. Asiat. Soc. Bengal*, ii. 591.  
1833.

*Pterocyclos hispidus* Benson, MSS.

*Hab.* India. Perhaps the same as the preceding.

§§ *Periostraca smooth.* Mouth with a hole near the suture.

3. PTEROCYCLOS RUPESTRIS.

*Steganotoma pictum* Troschel, *Philippi, Conch. Abbild.* 105.  
t. 1. f. 5.

*Spiraculum parvum* Pearson, *Jour. As. Soc. Beng.* ii. 592. 1833.

*Cyclotoma spiraculum* var. *f.* Sow. *Thes. Conch.* f. 273.

*Pterocyclos anguliferus* *Pfeiffer*, l. c. 111. n. 2.; *Kuster, Chemn.*  
*Conch.* i. 19. t. 24. f. 3. 6.

*P. rupestris* Benson, *J. A. S. Beng.* i. 13. t. 2. f. 1.; Pearson, l. c. 592.  
*Cyclotoma anguliferum* Souleyet.

a—c. India.

d—f. Ceylon. Presented by H. L. Layard, Esq.

g. Ceylon. Var. Presented by H. L. Layard, Esq.

§§§ *Uncertain.*

4. PTEROCYCLOS ALBERSI.

*P. Albersi* *Pfeiffer*, l. c. 111. n. 5. and 151. n. 18.

*Hab.* — ?

5. PTEROCYCLOS PICTUS.

*P. pictus* Trosch.; *Pfeiffer*, l. c. 111. n. 4.; *Kuster, Chemn. Conch.*  
*Cab.* i. 19. t. 24. f. 21—25.

*Hab.* — ?

Appears to be the same as *Cyclotus planorbulus* jun.



## 6. PTEROCYCLOS BILABIATUS.

*Cyclostoma bilabiatum* Sow. *Thes. Conch.* 1. 110. n. 57. t. 25. f. 81—82.

*Pterocyclos bilabiatum* Benson (in Sow.); *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 24. f. 11—14.; *Pfeiffer*, l. c. 111. n. 1.

*Hab.* Salem near Madras.

Near *Cyclotus planorbulus*.

## 3. CRASPEDOPOMA.

*Operculum* horny, solid; whorls very narrow, with a central nucleus; external plate flat; internal concave, furnished with a circular marginal prominence.—*Shell* subturbinate, gaping; last whorl slightly produced, straight. Mouth circular, rather contracted. Peristome continuous, simple, receiving the external prominence of the operculum. Axis imperforate.

*Craspedopoma* *Pfeiffer* in *Menke und Pfeiffer, Z. f. Malak.* 1847, 48. 107.

*Cyclostoma* sp. *Lowe*.

*Valvata* sp. *Menke*.

*Bolania* *Gray, Syn. B. M.* 1842, 91., not described.

§ *Last whorl slightly produced.*

## 1. CRASPEDOPOMA LUCIDUM.

*Cyclostoma lucidum* *Lowe, Moll. of Madeira, Trans. Camb. Phil. Soc.* 1831, 66. t. 6. f. 40.; *Lamck. An. s. Vert.* 2d ed. viii. 369. n. 36.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 13. f. 26, 27.

*Valvata turbinata* *Menke*?

*Craspedopoma lucidum* *Pfeiffer*, l. c. 111. n. 1.

*Bolania lucida* *Gray, B. M.* 1840.

*a—f.* Madeira. Presented by Rev. R. T. Lowe.

*g—t.* Madeira. Presented by T. V. Wollaston, Esq.

*u—z.* Madeira. Fossil. Recent limestone formation. Presented by T. V. Wollaston, Esq.

§§ *Last whorl much produced, straight.*

## 2. CRASPEDOPOMA LYONNETIANUM.

*Cyclostoma Lyonnetianum* *Lowe MS.* fide Wollaston.

*a—r.* Madeira, wet rocks. Presented by T. V. Wollaston, Esq.

*s—x.* Madeira. Fossil. Recent limestone formation. Presented by T. V. Wollaston, Esq.

- b. *Operculum* horny, thin without any external calcareous layer. Shell conical or depressed. Last whorl rounded, without any groove or ridge round the front of the axis.

#### 4. AULOPOMA.

*Operculum* horny, with many whorls; outer edge larger than the aperture, and reflexed over the peristome of the shell. — *Shell* turbate, depressed, or subdiscoidal, the last whorl anteriorly open; peristome free, straight, continuous, immersed in the circular groove of the operculum.

*Aulopoma Troschel* in *Menke und Pfeiffer*, *Z. f. Malak.* 1847, 43.; *Pfeiffer* in *Menke und Pfeiffer*, *Z. f. Malak.* 1847.

##### 1. AULOPOMA CORNU VENATORIUM.

*Cyclostoma cornu venatorium* Sow. *Thes. Conch.* i. 107. n. 48. t. 24. f. 41—42.; *Pfeiffer*, *Kuster*, *Chemn. Conch. Cab.* i. 19. t. 22. f. 1—3.

*Aulopoma cornu venatorium* *Pfeiffer*, l. c. 111. n. 1.

a. Ceylon.

b—f. Ceylon.

g—l. Ceylon. Presented by H. L. Layard, Esq.

m—q. Ceylon. Var. small. Presented by H. L. Layard, Esq.

r—s. Ceylon. With operculum. Presented by H. L. Layard, Esq.

##### 2. AULOPOMA HELICINUM.

*Cyclost. helicinum*? *Pfeiffer*, *Kuster*, *Chemn. Conch. Cab.* i. 19. t. 22. f. 4, 5.

A.? *helicinum* *Pfeiffer*, l. c. 111. n. 2.

*Hab.* — ?

##### 3. AULOPOMA ITIERII.

A. *Itierii* *Guér.*; *Pfeiffer*, l. c. 111. n. 3.

*Hab.* — ?

##### 4. AULOPOMA HOFFMEISTERI.

A. *Hoffmeisteri* *Trosch.*; *Pfeiffer*, l. c. 111. n. 4.

*Hab.* — ?

#### 5. MYXOSTOMA.

*Operculum* thick, lamellar, subcartilaginous, many-whorled. — *Shell* widely umbilicated, depressed. Peristome double; the internal continuous, entire; the external reflexed, with a beak behind closely pressed to the last whorl.

*Myxostoma Troschel* in *Menke, Zeitsch. f. Malak.* 1847, 44.;  
*Pfeiffer* in *Menke und Pfeiffer, Z. f. Malak.* 1847; *Gray, Proc. Zool. Soc.* 1847, 182.

*Lituus Martyn, U. C.* 1784; *Humph. Mus. Calonn.* 1797, not  
*Breyn*, 1732; *Gray, Proc. Zool. Soc.* 1847, 182.

### 1. MYXOSTOMA BREVE.

*Lituus breve Martyn, Un. Conch.* t. 28.

*Cyclost. Petiverianum Gray, Wood's Cat. Supp.* t. 6. f. 2.; *Sow. Thes. Conch.* 1. 116. n. 74. t. 25. f. 100, 101.

*Cyclost. breve Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 24. f. 1, 2.

*Myxostoma breve Pfeiffer, l. c.* 111. n. 1.

a. — ?

## 6. CYCLOPHORUS.

*Operculum* horny, thin, closely whorled, more or less concave externally.—*Shell* globose, turbinate; either depressed or discoidal. *Peristome* continuous; expanded or straight.

*Cyclophorus Montf. Conch. Syst.* ii. 290. 1810; *Blainv. Man. Malac.* 435. 1825; *Gray, Proc. Zool. Soc.* 1847, 182.; *Pfeiffer* in *Menke und Pfeiffer, Z. f. Malak.* 1847, 106.

*Cyclophora Swains. Malac.* 185. 336. 1840.

*Annularia a Schum. Ess.* 1817.

*Annularia Gray, Syn. B. M.* 1842, 91.

§ *Turbinate.*

\* *Axis umbilicated, open.*

### 1. CYCLOPHORUS AURANTIACUS.

*Cyclost. aurantiacum Pfeiffer, Kuster, Chemn. Conch. Cab.* 31. n. 22. t. 4. f. 8, 9., i. 19. t. 23. f. 45.

*Cyclost. pernobile Gould, Bost. Jour.* 1844, 458. t. 24. f. 11.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* 30. n. 21. i. 19. t. 3. f. 15.

*Annularia aurantiaca Schum. Nouv. Syst.* 196.

*Turbo volvulus* var. *Chemn.* ix. 58. t. 123. f. 1064, 1065.

*Helix volvulus* γ *Müll. Hist. Verm.* ii. 83.

*Cycloph. aurantiacus Pfeiffer, l. c.* 107. n. 1.

*Hab.* Burmah ?

### 2. CYCLOPHORUS SPECIOSUS.

*Cyclostoma speciosum Philippi, Zeitsch. für Malak.* 1847, 123. n. 60.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 25. f. 1—3.

*Cycloph. speciosus Pfeiffer, l. c.* 107. n. 2.

*Hab.* — ?



## 3. CYCLOPHORUS TUBA.

*Cyclost. tuba* Sow. *Zool. Proc.* 1842, 83., *Thes. Conch.* i. 122. n. 91. t. 27. f. 129, 130.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 23. f. 10, 11.

*Cycloph. tuba* Pfeiffer, l. c. 107. n. 3.

*a—c.* Malacca. From the Collection of Mr. Cuming.

## 4. CYCLOPHORUS PERDIX

*Cyclost. perdix* Brod. & Sow. *Zool. Journ.* v. 50., *Thes. Conch.* i. 122. n. 90. t. 27. f. 127, 128.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 60. n. 55. i. 19. t. 8. f. 7—9.

*Cyclost. variegatum* Valenc. in *Mus. Paris*; *Philippi, Abbild. und Besch. Conch.* i. 5. 104. t. 1. f. 3.

*Cycloph. perdix* Pfeiffer, l. c. 107. n. 4.

*Hab.* Tenasserim.

## 5. CYCLOPHORUS VALIDUS.

*Cyclost. validum* Sow. *Proc. Zool. Soc.* 1842, 82., *Thes. Conch.* i. 123. n. 93. t. 27. f. 132, 133.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 89. n. 85. i. 19. t. 11. f. 9, 10., t. 16. f. 15, 16.

*Cycloph. validus* Pfeiffer, l. c. 107. n. 5.

*a—d.* Philippine Islands. From the Collection of Mr. Cuming.

*e.* Philippine Islands. Var. From the Collection of Mr. Cuming.

*f—i.* Philippine Islands. Var. minor. From the Collection of Mr. Cuming.

## 6. CYCLOPHORUS AQUILA.

*Cyclost. aquilum* Sow. *Proc. Zool. Soc.* 1843, 61., *Thes. Conch.* i. 123. n. 92. t. 27. f. 131.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 14. n. 5. i. 19. t. 2. f. 1, 2. i. 19. t. 8. f. 1, 2.

*Cycloph. aquila* Pfeiffer, l. c. 107. n. 6.

*a, b.* Singapore. From the Collection of Mr. Cuming.

*c.* Singapore. Presented by the Earl of Derby.

*d, e.* China. Presented by G. Tradescant Lay, Esq.

## 7. CYCLOPHORUS VOLVULUS.

*Cyclost. volvulus* (pars) *Lamck. An. s. Vert.* 2d ed. viii. 353., *Encyc. Méth.* t. 461. f. 5. a, b.; *Sow. Thes. Conch.* i. 121. n. 89. t. 26. f. 126.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 27. n. 19. i. 19. t. 3. f. 1, 2. t. 4. f. 3, 4.; *Desh. Enc. Méth. Vers.* ii. 39. n. 2.; var. *Grat. Act. Soc. Linn. Bord.* xi. 435. t. 3. f. 1.

*Cyclost. lævigatum* Voigt, *Uebers. v. Cuvier*, iii. 178.

*Helix volvulus* Müll. *Verm.* ii. 82. n. 280.; *Born, Test.* 379. t. 14. f. 23, 24.; *Wood, Ind. Test.* t. 32. f. 7.; *Gmel. Syst. Nat.* 36. 38. n. 91.

*Lituus Martyn, Un. Conch.* t. 27.; *Lister*, t. 50. f. 48.

*Cycloph. volvulus* Pfeiffer, l. c. 107. n. 17.; *Montfort, Conch.* ii. 291. t. 73.? *Swainson, Malacology* 336.?

*a—c.* — ?

*d.* Mandoo, India (*Cyclost. variata* Boys MS.). From the Collection of Capt. Boys.

*e.* Moluccas. Var. From the Collection of Mr. Cuming.

*f—h.* Vars. — ?

*i, j.* India. Var. (variegated). Presented by Dr. Horsfield.

#### 8. CYCLOPHORUS INVOLVULUS.

*Cyclost. involvulus* Gray, *Mus. Brit.*; *Sow. Thes. Conch.* i. 119. n. 82. t. 26. f. 114—116.; *Benson, Zool. Journ.* v. 462.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 28. n. 20. i. 19. t. 4. f. 3, 4. t. 8. f. 10—12.

*Cyclost. volvulus* Lamck. *An. s. Vert.* 2d ed. viii. 353., *Enc. Méth.* ii. 39. n. 2.

*Turbo volvulus* Chemn. ix. 57. t. 123. f. 1066.

*Helix involvulus* Müll. *Hist. Verm.* ii. 84. n. 281.

*Helix volvulus* Wood, *Ind. Test.* t. 32. f. 7.; *Seba, Thes.* iii. t. 40. f. 18, 19.; *Lister*, t. 75. f. 75.

*Cyclophora involvula* Swainson, *Malacology*, 336.

*Cycloph. involvulus* Pfeiffer, l. c. 108. n. 27.

*a—c.* Malacca. From the Collection of Mr. Cuming.

*d—h.* Bengal.

*i, k.* India. Presented by Rev. R. Everest.

*l, m.* Mandoo (*Cyclost. picta* Boys MSS.). From the Collection of Capt. Boys.

*n—p.* Bumourie. From the Collection of Capt. Boys.

*q.* Var. white. *r, s.* Var. red mouth. *t.* Var. red mouth, strongly keeled. *u—w.* Var. red mouth, strongly ribbed, ribs distant (bad state). India. From the Collection of Capt. Boys.

*x.* Rajmahal. Var. red mouth, lineated. From the Collection of Capt. Boys.

*y—hh.* Ceylon. Presented by H. L. Layard, Esq.

#### 9. CYCLOPHORUS STENOMPHALUS.

*Cyclostoma stenomphalum* Pfeiffer, *Zeitsch. Malak.* 1846, 44.; *Kuster, Chemn. Conch. Cab.* 59. n. 54. i. 19. t. 8. f. 5, 6.

*Cycloph.? stenomphalus* Pfeiffer, l. c. 107. n. 8.

*Hab.* — .

## 10. CYCLOPHORUS MENKEANUS.

Cyclost. Menkeanum *Philippi*, *Zeitsch. für Malak.* 1847, 123. n. 61.

Cycloph. Menkeanus *Pfeiffer*, l. c. 107. n. 9.

*Hab.* —?

## 11. CYCLOPHORUS PUNCTATUS.

Cyclost. punctata *Grat. Act. Soc. Linn. Bord.* xi. 440. t. 3. f. 10.

Cyclost. punctatum *Pfeiffer*, *Kuster, Chemn. Conch. Cab.* 40. n. 31. i. 19. t. 5. f. 12, 13.

Cyclost. irroratum *Sow. Proc. Zool. Soc.* 1843, 11., *Thes. Conch.* i. 123. n. 94. t. 27. f. 134, 135.

Cycloph.? punctatus *Pfeiffer*, l. c. 107. n. 11.

*a—h.* Madagascar.

*i—j.* China. Presented by R. B. Hinds, Esq.

## 12. CYCLOPHORUS SOWERBYI.

Cyclost. megacheilus *Sow. Thes. Conch.* i. 131. n. 114. t. 31. f. 276.

Cycloph. Sowerbyi *Pfeiffer*, l. c. 107. n. 12.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 19. f. 10—12.

*a, b.* —? Presented by Miss Saul.

## 13. CYCLOPHORUS TIGRINUS.

Cyclost. tigrinum *Sow. Zool. Proc.* 1843, 30., *Thes. Conch.* i. 126. n. 100. t. 29. f. 201—204.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 61. n. 56. i. 19. t. 8. f. 13—16., t. 16. f. 17—20.; *Reeve, Conch. Syst.* t. 183. f. 10.

Cycloph. tigrinus *Pfeiffer*, l. c. 107. n. 13.

*a—h.* Philippine Islands. From the Collection of Mr. Cuming.

*i.* India. Presented by G. B. Sowerby, Esq.

*j.* Var. *k, l.* Var. Philippine Islands. From the Collection of Mr. Cuming.

*m, n.* Philippine Islands. Var. red mouth. From the Collection of Mr. Cuming.

## 14. CYCLOPHORUS GUIMARASENSIS.

Cyclost. Guimarasense *Sow. Thes. Conch.* i. 131. n. 115. t. 31. f. 274, 275.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 12. f. 8, 9.

Cycloph. Guimarasensis *Pfeiffer*, l. c. 109. n. 13.

*a—c.* Isle of Guimaras. From the Collection of Mr. Cuming.



15. *CYCLOPHORUS ZEBRA*.

*Cyclost. zebra* *Grat. Kuster, Chemn. Conch. Cab.* i. 19. t. 13. f. 30, 31.

*Cycloph. zebra* *Pfeiffer, l. c.* 107. n. 16.

*Hab.* — ?

16. *CYCLOPHORUS PHILIPPINARUM*.

*Cyclost. Philippinarum* *Sow. Zool. Proc.* 1842, 83., *Spec. Conch.* ii. f. 180—183. ? *Thes. Conch.* i. 125. n. 99. t. 29. f. 205—207. ; *Pfeiffer, Kuster, Conch. Cab.* 42. n. 23. i. 19. t. 5. f. 17, 18. t. 13. f. 32—34.

*Cycloph. Philippinarum* *Pfeiffer, l. c.* 107. n. 17.

*a—l.* Philippine Islands. From the Collection of Mr. Cuming  
*m—o.* Philippine Islands. Var. white bands. From the Collection of Mr. Cuming.

*p—u.* Philippine Islands. Var. small. From the Collection of Mr. Cuming.

17. *CYCLOPHORUS TURBINATUS*.

*Cyclost. turbinatum* *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 13. f. 19—21.

*Cyclost. helicoides* *Sow. Thes. Conch.* i. 127. n. 103. t. 30. f. 245, 246.

*Cycloph. turbinatus* *Pfeiffer, l. c.* 107. n. 18.

*a, b.* Isle of Bohol. From the Collection of Mr. Cuming.

**\*\* *Axis umbilicated, partly covered with a tongue-like process.***

18. *CYCLOPHORUS CANALIFERUS*.

*Cyclost. canaliferum* *Sow. Zool. Proc.* 1842, 81., *Thes. Conch.* i. 115. n. 71. t. 27. f. 140—142., *Spec. Conch.* f. 195, 196. ; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 40. n. 32. i. 19. t. 5. f. 14—16.

*Cyclost. Gironnieri* *Soul. Rev. Zool.* 1842 ? (fide *Sow.*)

*Cyclophorus canaliferus* *Pfeiffer, l. c.* 107. n. 14.

*a—c.* Philippine Islands.

*d—f.* Philippine Islands. From the Collection of Mr. Cuming.

19. *CYCLOPHORUS LINGUIFERUS*.

*Cyclost. linguiferum* *Sow. Thes. Conch.* i. 125. n. 98. t. 29. f. 198. ; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 23. f. 1—3.

*Cyclophorus linguiferus* *Pfeiffer, l. c.* 107. n. 10.

*a—d.* Isle of Bohol. From the Collection of Mr. Cuming.

## 20. CYCLOPHORUS LINGULATUS.

Cyclost. lingulatum Sow. *Thes. Conch.* i. 126. n. 101. t. 29. f. 208—210.; Kuster, *Chemn. Conch. Cab.* i. 19. t. 23. f. 6—9.

Cyclophorus lingulatus Pfeiffer, l. c. 107. n. 15.

*a, b.* Philippine Islands. From the Collection of Mr. Cuming.

*c—p.* Different varieties. From the Collection of Mr. Cuming.

\*\*\* *Axis imperforated.*

## 21. CYCLOPHORUS TURBO.

Cyclost. turbo Sow. *Thes. Conch.* i. 116. n. 75. t. 25. f. 102, 103.; Pfeiffer, Kuster, *Chemn. Conch. Cab.* i. 19. t. 19. f. 4, 5.

Cyclost. maculosa Jay, *Cat. of Shells*, 122. t. 7. f. 9, 10.

Trochus turbo *Chemn. Conch. Cab.* ix. 153. t. 122. f. 1059.

Cycloph. turbo Pfeiffer, l. c. 108. n. 19.

*a.* Sumatra.

## 22. CYCLOPHORUS ICTERICUS.

Cyclost. ictericum Sow. *Thes. Conch.* i. 131. n. 113. t. 31. f. 268, 269.; Pfeiffer, Kuster, *Chemn. Conch. Cab.* i. 19. t. 19. f. 8, 9.

Cycloph. ictericus Pfeiffer, l. c. 108. n. 20.

*Hab.* — ?

§§ *Depressed.*

\* *Peristome expanded. Axis umbilicated, open.*

## 23. CYCLOPHORUS OCLUS CAPRI.

Cyclost. oculus capri Gray in *Brit. Mus.*; Sow. *Thes. Conch.* i. 115. n. 73. t. 25. f. 96.; Reeve, *Conch. Syst.* t. 184. f. 11.;

Pfeiffer, Kuster, *Chemn. Conch. Cab.* 26. n. 18. i. 19. t. 3. f. 5, 6.

Helix oculus capri Wood, *Ind. Test.* t. 32. f. 7.

Cyclost. volvulus (pars) Lamck. viii. ed. 2d. 353. n. 2.

Cyclost. Rafflesii Sow. *Zool. Journ.* v. 50.

Cyclost. indica Desh. *Belang. Voy.* 415. t. 1. f. 4, 5.; Lamck. *An. s. Vert.* 2d. ed. 363. n. 28.; Müller, *Synops.* 38.; Philippi, *Abbild. und Beschr. Conch.* i. 5. 103. t. 1. f. 2.

Cycloph.? oculus capri Pfeiffer, l. c. 108. n. 23.

*a, b.* — ?

*c, d.* (Nearly smooth on last whorl.)

## 24. CYCLOPHORUS SEMISULCATUS.

Cyclost. semisulcatum Sow. *Proc. Zool. Soc.* 1843, 62., *Thes. Conch.* i. 124. n. 96. t. 25. f. 99.; Pfeiffer, Kuster, *Chemn. Conch. Cab.* 86. n. 81. i. 19. t. 11. f. 1, 2.

Cycloph. semisulcatus Pfeiffer, l. c. 108. n. 24.

*a, b.* — ?

*c—e.* Malacca. Var. nearly white.

### 25. CYCLOPHORUS CARINIFERUS.

Cyclost. *cariniferum* Sow. *Thes. Conch.* i. 114. n. 69. t. 25. f. 98.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 19. f. 13—15.

Cycloph.? *cariniferus* Pfeiffer, l. c. 108. n. 25.

*a—c.* Madagascar. From the Collection of Mr. Cuming.

### 26. CYCLOPHORUS WOODIANUS.

Cyclost. *Woodiana* Lea, *Trans. Am. Phil. Soc.* 1841, vii. 465. t. 12.  
 f. 19.

Cyclost. *Woodianum* Pfeiffer, *Kuster, Chemn. Conch. Cab.* 53. n.  
 46. i. 19. t. 7. f. 1—3.

Cyclost. *Gironnieri* Soul. *Rev. Zool.* 1842, 101.

Cyclost. *luzonicum* Sow. *Zool. Proc.* 1842, 80., *Spec. Conch.* f. 133.,  
*Thes. Conch.* i. 114. n. 70. t. 27. f. 136, 137.

Cycloph. *Woodianus* Pfeiffer, l. c. 108. n. 28.

*a—h.* Luçon. From the Collection of Mr. Cuming.

### 27. CYCLOPHORUS MOULINSII.

Cyclost. *Moulinsii* Grat. *Act. Soc. Linn. Bord.* xi. 444. t. 3. f. 19.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* 15. n. 6. i. 19. t. 2. f. 18, 19.

Cyclost. *Desmoulinsii* Sow. *Thes. Conch.* i. 125. n. 97. t. 25. f. 97.

Cycloph.? *Moulinsii* Pfeiffer, l. c. 108. n. 29.

*a—c.* Madagascar.

*d.* (Bad condition).

### 28. CYCLOPHORUS VITTATUS.

Cyclost. *vittatum* Sow. *Spec. Conch.* f. 91—94., *Thes. Conch.* i.  
 112. n. 62. t. 25. f. 89, 90.; *Reeve, Conch. Syst.* t. 185. f. 22.;

*Pfeiffer, Kuster, Chemn. Conch. Cab.* 87. n. 82. i. 19. t. 11. f. 5, 6.

Cycloph.? *vittatus* Pfeiffer, l. c. 108. n. 26.

*Hab.* Madagascar.

*a.* Madagascar. Presented by J. E. Gray, Esq.

### 29. CYCLOPHORUS STENOSTOMA.

Cyclost. *stenostoma* Sow. *Thes. Conch.* i. 95. n. 13. t. 31. f. 261.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 20. f. 23—25. and

f. 18, 19. Var.

Cyclost. *planorbula* Enc. *Méth.* ?

Cycloph. *stenostoma* Pfeiffer, l. c. 108. n. 34.

*a.* Arabia.



## 30. CYCLOPHORUS PAPUA.

*Cyclost. papua* Quoy & Gaim. *Voy. Ast.* ii. 185. t. 12. f. 23—26.; *Lamck. An. s. Vert.* 2d. ed. viii. 369. n. 35.; *Pfeiffer, Kuster, Regist. zu Chemn.* 85. (in plate) *Kuster, Chemn. Conch. Cab.* i. 19. t. 4. f. 5, 6.

*Cyclost. helicinum* (in letter-press) *Pfeiffer, Kuster, Chemn. Conch.* 35. n. 26. t. 4. f. 5, 6.

*Turbo helicinus* *Chemn. Conch. Cab.* ix. 59. t. 123. f. 1067, 1068.

*Turbo helicoides* *Gmel.* 103.

*Cyclost. spiraculum* var. *Sow. Thes. Conch.* t. 31. f. 273; *Seba, Thes.* iii. t. 40. f. 15.?

*Cycloph.?* *papua* *Pfeiffer*, l. c. 108. n. 35.

*Hab.* India.

## 31. CYCLOPHORUS MACULOSUS.

*Cyclost. maculosum* *Sow. Proc. Zool. Soc.* 1843, 66., *Thes. Conch.* i. 112. n. 65. t. 31. f. 256, 257.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 54. n. 47. i. 19. t. 7. f. 4—6.

*Cycloph.?* *maculosus* *Pfeiffer*, l. c. 108. n. 31.

*Hab.* — ?

## 32. CYCLOPHORUS ANNULATUS.

*Cyclost. annulatum* *Troschel, Zeitsch. für Malak.* 1847, 150. n. 17.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 22. f. 17—19.

*Cycloph. annulatus* *Troschel MS.*; *Pfeiffer*, l. c. 108. n. 33.

*Hab.* Ceylon.

## 33. CYCLOPHORUS DISTINCTUS.

*Cyclost. distinctum* *Sow. Thes. Conch.* i. 106. n. 47. t. 24. f. 38.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 20. f. 7—9.

*Cycloph.?* *distinctus* *Pfeiffer*, l. c. 108. n. 37.

*Hab.* Bay of Montija, W. Columbia.

\*\* *Peristome* straight.

## 34. CYCLOPHORUS CUMINGII.

*Cyclost. Cumingii* *Sow. Proc. Zool. Soc.* 1832, 32., *Spec. Conch.* f. 187—189., *Thes. Conch.* i. 108. n. 54. t. 24. f. 68, 69.; *Müller, Synop.* 37.; *Lamck. An. s. Vert.* 2d ed. viii. 367. n. 30.; *Reeve, Conch. Syst.* t. 185. f. 19.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 92. n. 89. i. 19. t. 12. f. 1—3.; *Jay, Cat. of Shells*, 122. t. 7. f. 4, 5.?

*Cyclost. striata* *Lea, Fér. in Bull. Zool.* 1835, 101.

*Cycloph. Cumingii* *Pfeiffer*, l. c. 108. n. 32.

a—d. Island of Tumaco, W. Columbia. From the Collection of Mr. Cuming

35. *CYCLOPHORUS RUFESCENS.*

*Cyclost. rufescens* Sow. *Thes. Conch.* i. 94. n. 11. t. 24. f. 36, 37.;  
*Pfeiffer, Küster, Chemn. Conch. Cab.* i. 19. t. 12. f. 16—18.  
*Cycloph. rufescens* Pfeiffer, l. c. 108. n. 36.

*a—c.* Martinique.

36. *CYCLOPHORUS DISJUNCTUS.*

*Cyclost. disjunctus* Moric.  
*Cycloph.?* *disjunctus* Pfeiffer, l. c. 108. n. 39.

*Hab.* — ?

37. *CYCLOPHORUS PARVUS.*

*Cyclost. parvum* Sow. *Thes. Conch.* i. 101. n. 29. t. 31. f. 254, 255.;  
*Pfeiff.* l. c. 105. n. 14.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 13.  
 f. 15, 16.

*a—c.* Philippine Islands.

38. ? *CYCLOPHORUS CYTORA.*

*Cyclostoma Cytora* Gray, *Proc. Zool. Soc.* 1849.

*a.* New Zealand. Presented by Major Greenwood.

## 7. LEPTOPOMA.

*Operculum* membranous, closely whorled, flat.—*Shell* globose, turbinated, or conical; narrowly umbilicated. Peristome simple, reflexed; with distant margins, joined sometimes by a very thin callus.

*Leptopoma* Pfeiffer in *Menke und Pfeiffer, Z. f. Malak.* 1847, 47. 108.

§ *Subglobose.*

\* *Whorls rounded, not keeled.*

1. *LEPTOPOMA PERLUCIDUM.*

*Cyclost. perlucida* Grat. *Act. Soc. Linn. Bord.* xi. 442. t. 3. f. 13.  
*Cyclost. perlucidum* Pfeiffer, *Kuster, Chemn. Conch. Cab.* 19.  
 n. 11. i. 19. t. 2. f. 5—10. t. 16. f. 8.  
*Cyclost. concinnum* Sow. *Proc. Zool. Soc.* 1843, 61., *Thes. Conch.*  
 i. 134. n. 122. t. 29. f. 223, 224.; *De Less. Recueil*, t. 38. f. 14.  
*Cyclost. multilineata* Jay, *Cat. of Shells*, 1839, 123. t. 7. f. 12, 13.?  
*Lept. perlucidum* Pfeiffer, l. c. 108. n. 4.

*a—h.* Philippine Islands. From the Collection of Mr. Cuming.

*i.* Philippine Islands. Var. From the Collection of Mr. Cuming.

## 2. LEPTOPOMA NITIDUM.

Cyclost. nitidum Sow. *Proc. Zool. Soc.* 1843, 60., *Thes. Conch.* i. 133. n. 121. t. 29. f. 225—227.; *Reeve, Conch. Syst.* 183. f. 2.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 96. n. 92. i. 19. t. 12. f. 27—29. t. 16. f. 10.

Lept. nitidum *Pfeiffer*, l. c. 108. n. 6.

*a—e.* Philippine Islands. From the Collection of Mr. Cuming.

*f—h.* Philippine Islands. Var. From the Collection of Mr. Cuming.

## 3. LEPTOPOMA LUTEUM.

Cyclost. luteum *Less. Voy. Coq. Zool.* ii. 345. t. 13. f. 5.

Lept.? luteum *Pfeiffer*, l. c. 108. n. 7.

*Hab.* Tahiti.

## 4. LEPTOPOMA VITREUM.

Cyclost. vitreum *Less. Voy. Coq. Zool.* ii. 346. t. 13. f. 6.; *Sow. Thes. Conch.* i. 134. n. 124. t. 30. f. 252.; *Lamck. An. s. Vert.* 2d ed. viii. 367. n. 31.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 21. f. 24—26.

Cyclost. lutea *Quoy & Gaim. Voy. Astr. Zool.* ii. 180. t. 12. f. 11—14.

Lept. vitreum *Pfeiffer*, l. c. 108. n. 8.

*a.* — ?

## 5. LEPTOPOMA LUTEOSTOMA.

Cyclost. luteostoma Sow. *Thes. Conch.* i. 135. n. 125. t. 30. f. 228, 229.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 96. n. 93. i. 19. t. 12. f. 21—23.

Lept. luteostoma *Pfeiffer*, l. c. 108. n. 9.

*a—c.* Philippine Islands. From the Collection of Mr. Cuming.

## 6. LEPTOPOMA MASSENÆ.

Cyclost. Massenæ *Less. Voy. Coquille, Zool.* ii. 346. t. 13. f. 7.

Lept. Massenæ *Pfeiffer*, l. c. 108. n. 2.

*Hab.* New Guinea.

## 7. LEPTOPOMA MELANOSTOMA.

Cyclost. melanostoma *Petit, Rev. Zool.* iv. 1841, 308.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 25. f. 12—15.

Lept. melanostoma *Pfeiffer*, l. c. 108. n. 5.

*Hab.* — ?



**\*\* Whorls rounded, slightly keeled.**

### 8. LEPTOPOMA IMMACULATUM.

*Turbo immaculatus Chemn. Conch. Cab. ix. 57. t. 123. f. 1063.*

(*Turbo*) *Cyclostoma læve Gray in Wood's, Cat. Supp. t. 6. f. 5.; Sow. Proc. Zool. Soc. 1843, 63., Thes. Conch. i. 133. n. 120. t. 29. f. 220—222.*

*Cyclost. immaculatum Sow. Spec. Conch. ii. 124.; Beechey, Voy. Zool. t. 38. f. 29.; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 3. f. 7. t. 7. f. 23, 24. t. 16. f. 10. var.*

*Cyclost. maculata Lea, Observ. on Unio, ii. 68. t. 23. f. 87.?*

*Cyclost. maculosa Soul. Rev. Zool. 1842, 101.?*

*Turbo marginellus Gmel. 102. 3602.*

*Lept. immaculatum Pfeiffer, l. c. 108. n. 3.*

*a—h. Philippines. From the Collection of Mr. Cuming.*

*i—k. Philippines. Var. minor. From the Collection of Mr. Cuming.*

*l—m. Philippines. Var. last whorl subcarinated: Chemn. l. c. f. 1063.*

### 9. LEPTOPOMA INSIGNE.

*Cyclost. insigne Sow. Thes. Conch. i. 138. n. 132. t. 30. f. 232.; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 12. f. 19, 20.*

*Lept. insigne Pfeiffer, l. c. 108. n. 10.*

*a—c. Philippine Islands. From the Collection of Mr. Cuming.*

### 10. LEPTOPOMA PANAYENSE.

*Cyclost. panayense Sow. Thes. Conch. i. 134. n. 123. t. 30. f. 239. Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 20. f. 28, 29.*

*Lept. Panayense Pfeiffer, l. c. 108. n. 11.*

*a—c. Island of Panay. From the Collection of Mr. Cuming.*

### 11. LEPTOPOMA CILIATUM.

*Cyclost. ciliatum Sow. Thes. Conch. i. 127. n. 102. t. 30. f. 237, 238.; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 20. f. 26, 27.*

*Lept. ciliatum Pfeiffer, l. c. 109. n. 12.*

*Hab. Island of Luçon: Cuming.*

### 12. LEPTOPOMA PERPLEXUM.

*Cyclost. perplexum Sow. Thes. Conch. i. 136. n. 127. t. 30. f. 243, 244.; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 16. f. 11, 12.*

Lept.? perplexum *Pfeiffer*, l. c. 109. n. 14.

*a—c.* Philippine Islands. From the Collection of Mr. Cuming.

§§ *Conical, elevated. Whorls keeled.*

### 13. LEPTOPOMA FIBULA.

Cyclost. fibula *Sow. Thes. Conch.* i. 135. n. 126. t. 30. f. 240—242.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. f. 23, 24. t. 16. f. 4. var.

Lept. fibula *Pfeiffer*, l. c. 109. n. 15.

*a—c.* Isle of Luçon. From the Collection of Mr. Cuming.

*d—f.* Isle of Luçon. Var. From the Collection of Mr. Cuming.

*g—i.* Isle of Luçon. Var. From the Collection of Mr. Cuming.

### 14. LEPTOPOMA GONIOSTOMA.

Cyclost. goniostoma *Sow. Proc. Zool. Soc.* 1843, 64., *Thes. Conch.* i. 137. n. 131. t. 30. f. 233, 234.; *Reeve, Conch. Syst.* ii. t. 183. f. 3.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 19. n. 10. i. 19. t. 2. f. 5—7. t. 16. f. 5.

Lept. goniostoma *Pfeiffer*, l. c. 109. n. 16.

*a—d.* Island of Mindanao. From the Collection of Mr. Cuming.

### 15. LEPTOPOMA PILEUS.

Cyclost. pileus *Sow. Proc. Zool. Soc.* 1843, 31., *Thes. Conch.* i. 136. n. 128. t. 29. f. 196, 197.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 18. n. 9. i. 19. t. 2. f. 3, 4.

Lept. pileus *Pfeiffer*, l. c. 109. n. 17.

*a—f.* Philippine Islands. From the Collection of Mr. Cuming.

### 16. LEPTOPOMA ATRICAPILLUM.

Cyclost. atricapillum *Sow. Proc. Zool. Soc.* 1843, 64., *Thes. Conch.* i. 137. n. 130. t. 30. f. 230, 231.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 2. f. 11, 12. t. 16. f. 6, 7. var. ♀

Lept. atricapillum *Pfeiffer*, l. c. 109. n. 18.

*a—c.* Philippine Islands. From the Collection of Mr. Cuming.

## 17. LEPTOPOMA MULTILABRE.

Cyclost. multilabris *Lamck. An. s. Vert.* vi. 148. 2nd ed. viii. 360. n. 24.; *De Lessert, Recueil*, t. 29. f. 14.; *Quoy et Gaim. Voy. Astrol.* ii. 183. t. 12. f. 20—22.

Cyclost. atricapillum (pars olim) *Pfeiffer, Kuster, Chemn. Conch. Cab.* 20. n. 12.

Lept. multilabre *Pfeiffer*, l. c. 109. n. 19.

*Hab.* — ?

## 18. LEPTOPOMA ACUMINATUM.

Cyclost. acuminatum *Sow. Thes. Conch.* i. 138. n. 133. t. 30. f. 235.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 13. f. 11, 12.

Lept. ? acuminatum *Pfeiffer*, l. c. 108. n. 1.

*a—c.* Isle of Luçon. From the Collection of Mr. Cuming.

§§§ *Conical depressed. Whorls acutely keeled.*

## 19. LEPTOPOMA HELICOIDES.

Cyclost. helicoides *Grat.*; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 15. f. 25, 26. t. 16. f. 1—3. var.

Cyclost. *Stainforthii Sow. Zool. Proc.* 1842, 82., *Thes. Conch.* i. 136. n. 129. t. 29. f. 215, 216. t. 30. f. 217.

Lept. helicoides *Pfeiffer*, l. c. 109. n. 20.

*a—g.* Philippine Islands. From the Collection of Mr. Cuming.

## 20. LEPTOPOMA ACUTIMARGINATUM.

Cyclost. acutimarginatum *Sow. Thes. Conch.* i. 124. n. 95. t. 27. f. 138, 139.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 15. f. 19, 20.

Lept. acutimarginatum *Pfeiffer*, l. c. 109. n. 21.

*a—d.* China. From the Collection of Mr. Cuming.

## 8. ALYCÆUS.

*Operculum* horny, many-whorled. — *Shell* conical, spire regular. Last whorl distorted, compressed, much contracted before the mouth. Mouth circular. Peristome regularly reflexed.

*Alycæus Gray MS. B. M.*

*Cyclophorus* sp. *Pfeiffer*, l. c.



§ *Spire conical. Axis perforated. Last whorl much compressed.*

1. *ALYCÆUS GIBBUS.*

Cyclost. gibbum *Fér. Mag. de Zool.* t. 117. f. 1.; *Sow. Thes. Conch.* i. 139. n. 135. t. 30. f. 247, 248.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 17. f. 4—6.

Cycloph. gibbus *Pfeiffer*, l. c. 108. n. 21.

a. Cochin China.

§§ *Shell depressed. Axis umbilicated. Last whorl slightly compressed.*

2. *ALYCÆUS STRANGULATUS.*

Cyclost. strangulatus *Hutton; Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 17. f. 7, 8.

Cycloph. strangulatus *Pfeiffer*, l. c. 108. n. 30.

a—z. Landour, India. From the Collection of Capt. Boys.

c. *Operculum horny, thin, many-whorled. Shell oblong, elongate. Last whorls with a fold or spiral ridge on the inner side in front of the axis, sometimes forming a groove in the outer lip.*

9. *FARCIMEN.*

*Shell oval or pupiform, elongate. Last whorl without any, or only a very slight, angularity in front. Mouth circular. Peristome reflexed.*

*Farcimen Troschel in Menke und Pfeiffer, Zeit. f. Malak.* 1847, 44.; *Gray, Proc. Zool. Soc.* 1847, 182.

*Megalomastoma (pars) Pfeiffer in Menke und Pfeiff. Z. f. Malak.* 1847.

*Megalomastoma sp. Swains. Malac.* 1841.

§ *Peristome slightly thickened all round.*

1. *FARCIMEN CYLINDRACEUM.*

*Helix cylindracea Chemn. Conch. Cab.* ix. 166. t. 135. f. 1233.

*Helix crocea Gmel. Syst. Nat.* 3655. n. 243.

Cyclost. flavula *Lamck. An. s. Vert.* vi. 146. 2nd ed. viii. 357. n. 13.

Cyclost. flavidum *Gray in Wood's Ind. Test. Supp.* t. 6. f. 31.; *Sow. Thes. Conch.* i. 108. n. 53. t. 24. f. 66, 67.

Cyclost. croceum *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 17. f. 1—3.

*Megalomastoma flavula Swains. Malac.*

*Megalomast. cylindraceum Pfeiffer*, l. c. 109. n. 4.

a. — ?

b. Porto Rico.

## 2. FARCIMEN CROCEUM.

*Cyclost. croceum Sow. Thes. Conch. i. 150. n. 167. t. 29. f. 190, 191.; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 24. f. 15, 16.*

*Turbo croceus Dillw. Cat. ii. 862. n. 112.*

*Cyclost. flavula Lamck. Enc. Méth. t. 461. f. 6. a. b., An. s. Vert. vi. 146. 2nd ed. viii. 357. n. 13.; Webb et Berth. Syn. Moll. Canar. 18. n. 3.; Desh. Enc. Méth. Vers, ii. 40. n. 8.*

*Megalomast. croceum Pfeiffer*, l. c. 109. n. 5.

a. — ?

## 3. FARCIMEN SECTILABRUM.

*Cyclost. sectilabrum Gould; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 24. f. 17, 18.*

*Megalomast. sectilabrum Pfeiffer*, l. c. 109. n. 6.

*Hab.* — ?

§§ *Peristome not thickened near the penultimate whorl.*

## 4. FARCIMEN TORTUM.

*Turbo tortus Wood's Cat. Supp. t. 6. f. 32.*

*Cyclost. tortum Gray in Wood's Cat. Supp.; Sow. Thes. Conch. i. 151. n. 169. t. 28. f. 181, 182.; Pfeiffer, Kust. Chemn. Conch. Cab. i. 19. t. 17. f. 22, 23.*

*Cyclost. torta Lamck. An. s. Vert. 2nd ed. viii. 372. n. 42.*

*Cyclost. bicolor Gould.*

*Cyclost. idolum* — ?

*Megalomast. tortum Pfeiffer*, l. c. 109. n. 7.

a—d. Cuba.

e. — ?

### Var. 1.

*Cyclost. ventricosum D'Orb.; Sow. Thes. Conch. i. 151. n. 170. t. 28. f. 183, 184.; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 17. f. 20, 21.*

*Megalomast. ventricosum Pfeiffer*, l. c. 109. n. 10.

f. Cuba.

### Var. 2.

*Cyclost. auriculatum D'Orb. in Sow. Thes. Conch. i. 151. n. 171.*

t. 31. f. 277.; *Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 17. f. 12—17.*

*Megalomast. auriculatum Pfeiffer, l. c. 109. n. 8.*

*g. Cuba. Presented by E. Doubleday, Esq.*

*Var. 3.*

*Cyclost. alutaceum Menke, Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 17. f. 18, 19.*

*Megalomast. alutaceum Pfeiffer, l. c. 109. n. 9.*

*Hab. — ?*

## 10. ELECTRINA.

*Operculum* orbicular, many-whorled, horny? — *Shell* conical short, covered with a thin periostraca. Spire conical. Axis perforated. Whorls with a strongly marked keel in the front, forming an edge to the axis. Mouth circular, continued, simple.

*Electrina Gray MS. B. M.*

### 1. ELECTRINA SUCCINEA.

*Cyclost. succineum Sow. Zool. Proc. 1832, 32., Thes. Conch. i. 108. n. 51. t. 23. f. 18, 19.; Müller, Synops. 37.; Pfeiffer, Kuster Chemn. Conch. Cab. 24. n. 15. i. 19. t. 3. f. 12. 13. magn. f. 14.*

*Cyclost. australe Mühlf. Anton. Verz. 54.*

*Cycloph. succineus Pfeiffer, l. c. 108. n. 22.*

*a—d. Opara. From the Collection of Mr. Cuming.*

## 11. MEGALOMASTOMA.

*Operculum* horny, thin, closely whorled, flat. — *Shell* scarcely perforated, cylindrical or pupa-shaped, covered with a thin periostraca. Mouth orbicular, with a slight groove on front angle. Peristome continuous, thickened or reflexed. Last whorl with a ridge round the axis in front.

*Megalomastoma Gould MS. in Swains. Malac. 1840; Gray, Syn. B. M. 1842, 91., Proc. Zool. Soc. 1847, 182.; Pfeiffer in Menke und Pfeiffer, Z. f. Malak. 1847.*

§ *Peristome* continued, thickened all round. Asia.

### 1. MEGALOMASTOMA TORTUOSUM.

*Turbo tortuosus Chemn. Conch. Cab. xi. t. 195. A. f. 1882. 1883.*

*Cyclost. tortuosum Sow. Thes. Conch. i. 152. n. 172. t. 28. f. 185, 186.; Pfeiffer, Kuster, Chemn. Conch. Cab. i. 19. t. 24. f. 19, 20.*



Meg. tortuosum *Pfeiffer*, l. c. 102. n. 3.

a. Nicobar Islands. From the Collection of Lord Tankerville.

## 2. MEGALOMASTOMA ALTUM.

Cyclost. altum *Sow. Thes. Conch.* i. 152. n. 173. t. 28. f. 187.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 15. f. 12—14.

Cyclost. brunneum *Gould?*

Meg. altum *Pfeiffer*, l. c. 109. n. 1.

a—c. Isle of Negros. From the Collection of Mr. Cuming.

## 3. MEGALOMASTOMA FUNICULATUM.

Cyclostoma funiculatum *Benson MS.*

a—c. Darjeeling. From the Collection of Capt. Boys.

d, e. Himalaya. Presented by Dr. Horsfield.

## 4. MEGALOMASTOMA LAYARDII.

a. Ceylon. Presented by H. L. Layard, Esq.

§§ *Peristome not thickened near the penultimate whorl. America.*

## 5. MEGALOMASTOMA ANTILLARUM.

Cyclost. Antillarum *Sow. Thes. Conch.* i. 150. n. 168. t. 28. f. 180.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 15. f. 15, 16.

Cyclost. elongatum *Gould MS.*

Megalomastoma elongatum *Swainson, Malac.* 1840.

Cyclost. suspensum *Guild.*

Megalomastoma suspensum *Pfeiff.* l. c. 109. n. 11.

Meg. Antillarum *Pfeiff.* l. c. 109. n. 2.

a—n. St. Vincent's, W. Indies. From the Collection of Rev.  
Lansdown Guilding.

o—q. —?

## 12. REGISTOMA.

*Shell* oval, polished. Whorls rather distorted, large, flattened.  
*Mouth* orbicular. *Peristome* reflexed, inner lip thin, with a  
slight notch on the inner side near the axis.

*Registoma Hasselt, Allg. Konst. en Letterbode*, 1823; *Férussac, Bulletin Sci.* 1824; *Gray, Syn. B. M.* 1842, 91., *Proc. Zool. Soc.* 1847, 182.

*Rhegostoma Agassiz, Nomenclat. Zoolog.*

*Rhexistoma Hermannsen, Ind. Gen.* ii. 390.

*Moulinsia Grateloupe*, *Trans. Linn. Soc. Bord.*; *Gray, P. Z. Soc.* 1847, 182.

*Pupina* sp. *Gray, Ann. Nat. Hist.* 1840, 77.

*Pupina Pfeiffer*, l. c.

§ *Last whorl large, much flattened.*

### 1. REGISTOMA GRANDE.

*Pupina grandis Gray, Ann. Nat. Hist.* 1840, 77.

*Pupina Nunezii Sow. Thes. Conch.* i. 17. n. 1. t. 4. f. 8—11.; *Pfeiffer*, l. c. 110. n. 1.

*Moulinsia Nunezii Grat. Ann. Soc. Linn. Bord.* 1840.

*a, b.* Isle of Leyte, Philippines. From the Collection of Mr. Cuming.

*c, d.* Isle of Luçon, Philippines. Var. From the Collection of Mr. Cuming.

*e.* Isle of Samar, Philippines. Var. From the Collection of Mr. Cuming.

*f.* Isle of Catanduanos, Philippines. Var. From the Collection of Mr. Cuming.

### 2. REGISTOMA PELLUCIDUM.

*Pupina pellucida Sow. Zool. Proc.* 1842, *Thes. Conch.* i. 17. n. 2. t. 4. f. 18—20.; *Pfeiffer*, l. c. 110. n. 2.

*a, b.* Isle of Zebu, Philippines. From the Collection of Mr. Cuming.

### 3. REGISTOMA SIMILE.

*Pupina similis Sow. Zool. Proc.* 1842, *Thes. Conch.* i. 18. n. 5. t. 4. f. 4, 5.; *Pfeiffer*, l. c. 110. n. 3.

*a—c.* Isle of Luçon. From the Collection of Mr. Cuming.

*d.* Isle of Luçon. Var. From the Collection of Mr. Cuming.

§§ *Last whorl nearly like the others.*

### 4. REGISTOMA FUSCUM.

*Pupina fusca Gray, Ann. N. Hist.* 1840, 77.

*Pupina vitrea Sow. Zool. Proc.* 1842, *Thes. Conch.* i. 18. n. 4. t. 4. f. 6, 7.; *Pfeiffer*, l. c. 110. n. 4.

*Registoma vitreum Hasselt?*

*a—c.* Philippine Islands. From the Collection of Mr. Cuming.

*d—l.* Manilla. Presented by J. Fox, Esq.

*m—o.* —? Presented by Mr. Powis.

## 5. REGISTOMA EXIGUUM.

*Pupina exigua* Sow. *Zool. Proc.* 1842, *Thes. Conch.* i. 18. n. 6. t. 4. f. 17.; *Pfeiffer*, l. c. 110. n. 5.

*a—d.* Isle of Luçon. From the Collection of Mr. Cuming.

## 13. PUPINA.

*Operculum* thin, membranous, narrow-whorled, rather flat.—*Shell* pupa-shaped, for the most part covered by a smooth callus. Peristome simple, thickened or reflexed; the columellar margin channel-cut in the middle.

*Pupina Vignard*, *Ann. Sci. Nat.* 1829; *Gray*, *Syn. B. M.* 1844, 91., *Proc. Zool. Soc.* 1847, 182.

*Pupina* § 2. *Pfeiffer* in *Menke und Pfeiffer*, *Z. f. Malak.* 1847.

## 1. PUPINA BICANALICULATA.

*Pup. bicanaliculata* Sow. *Zool. Proc.* 1842, *Thes. Conch.* i. 19. n. 9. t. 4. f. 1.; *Pfeiffer*, l. c. 110. n. 7.

*a, b.* Restoration Island, N. E. coast of Australia. Presented by Capt. Wickham, R. N.

*c.* Blackwood Bay, Australia. Presented by Sir John Richardson, M.D., R. N.

## 2. PUPINA HUMILIS.

*Pup. humilis* *Jacq. Pfeiffer*, l. c. 110. n. 6.

*Pupina antiquata* Sow. (fide *Pfeiffer*, l. c.)

*Hab.* — ?

## 3. PUPINA AUREA.

*Pup. aurea* *Hinds*, *Pfeiffer*, l. c. 110. n. 8.

*Hab.* — ?

## 4. PUPINA KERAUDRENI.

*Pup. Keraudrenii* *Vignard*, *Ann. Sci. Nat.* 1829, t. .; *Pfeiffer*, l. c. 110. n. 9.; *Sow. Thes. Conch.* i. 19. n. 8. t. 4. f. 2.

*Hab.* Manilla and Singapore.

## 14. PUPINELLA.

*Operculum* horny.—*Shell* oval, covered with a thin horny periostraca. Mouth circular. Peristome reflexed, thickened, with a groove on the inner side of front near the axis.



Pupinella *Gray MS. B. M.*

Pupina § 3. *Pfeiffer*, l. c.

1. PUPINELLA PUPINIFORMIS.

Pupina *Sowerbyi Pfeiffer*, l. c. 110. n. 10.

Cyclostoma pupiniforme *Sow. Thes. Conch. i. 152. n. 174. t. 28. f. 188.*

*a, b.* Isle of Luçon. From the Collection of Mr. Cuming.

15. CALLIA.

*Operculum* thin, membranous, narrow-whorled.—*Shell* pupiform, covered with a smooth shining callus. Peristome subcontinuous, straight, scarcely thickened, columellar margin entire, above appressed-reflexed; in the young altogether closing the perforation.

*Callia Gray, Ann. Nat. Hist. 1840, 77., Syn. B. M. 1840, 1842, 91. 1844, 72., Proc. Zool. Soc. 1847, 182.; Pfeiffer in Menke und Pfeiffer, Z. f. Malak. 1847.*

Pupina sp. *Sow. Proc. Z. S. 1842.*

1. CALLIA LUBRICA.

Pupina lubrica *Sow. Zool. Proc. 1842, Thes. Conch. i. 18. n. 3. t. 4. f. 12—16.*

*Callia lubrica Pfeiff. l. c. 110. n. 1.*

*a—f.* Isle of Luçon. From the Collection of Mr. Cuming.

*g—i.* Philippine Islands. Var. From the Collection of Mr. Cuming.

*j—l.* Isle of Zebu. Var. From the Collection of Mr. Cuming.

*B. Operculum ovate, of a few more or less rapidly enlarging whorls, nucleus excentric.*

*a. Operculum thick, with an external shelly coat.*

16. LEONIA.

*Operculum* ovate, with a single whorl; convex externally (very like *Phasianella*).—*Shell* ovate, conical. Peristome simple, slightly reflexed.

*Leonia Gray, Syn. Brit. Mus. 1840, 1842, 91.*

1. LEONIA MAMMILLARIS.

Cyclostoma mammillaris *Lamck. An. s. Vert. vi. 147. 2nd edit. viii. 359. n. 19.; De Lessert, Recueil, t. 29. f. 10. a—d.*

*Cyclost. mamillare* Sow. *Thes. Conch.* i. 102. n. 35. t. 24. f. 45.;  
*Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 28, 29.; *Pfeiff.* l. c.  
 105. n. 20.

*Cyclost. Voltzianum* Mich. *Coq. d'Algers*, 10. n. i. f. 21, 22.;  
*Potiez et Mich. Gal. Moll. Douai*, i. 243. n. 23. bis, t. 24. f. 24,  
 25.

*Cyclost. Volziana* Lamck. *An. s. Vert.* 2nd edit. viii. 371. n. 39.

*Cyclost. lævigatum* Sow. *MS.* in *Cab. Gray*, not *Thesaurus Conch.*

*a—h.* Oran, Algiers.

*i—m.* Var. larger. — ?

## 17. LITHIDION.

*Operculum* subcircular, shelly; whorls rather rapidly enlarged, with a strong, convex, subcentral keel, and simple edges.—*Shell* depressed, broadly umbilicated, open. Mouth circular. Peristome simple.

### 1. LITHIDION SULCATUM.

*Cyclostoma lithidion* Sow. *Thes. Conch.* i. 111. n. 61. t. 31. f. 262.;  
*Kuster, Chemn. Conch. Cab.* i. 19. t. 20. f. 20—22.; *Pfeiffer*, l. c.  
 112. n. 4.

*a.* Yemen, Arabia.

## 18. OTOPOMA.

*Operculum* shelly, solid; whorls convex in the centre, with simple edges.—*Shell* subglobose, solid, umbilicated, with an ear-like process from the inner side of the mouth, covering part of the axis. Mouth circular. Peristome simple, or slightly reflexed.

§ *Whorls rounded in front of axis.*

### 1. OTOPOMA FOLIACEUM.

*Turbo foliaceus* Chemn. *Conch. Cab.* xi. 59. t. 123. f. 1069, 1070.;  
*Gmel. Linn. Syst. Nat.* 104.

*Cyclost. foliaceum* Pfeiffer, *Kuster, Chemn. Conch. Cab.* 36. n. 27.  
 t. 4. f. 10, 11.

*Cyclost. naticoides* Recluz, *Rev. Zool.* 1843, 3., *Mag. Zool.* 1843,  
 t. 73.; Sow. *Thes. Conch.* i. 117. n. 78. t. 26. f. 108, 109.; *Pfeiff.*  
 l. c. 104. n. 1.; *Kuster, Chemn. Conch. Cab.* 37. n. 28. i. 19. t. 5.  
 f. 1—4.

*Cyclost. clathratulum* Recluz, *Rev. Zool.* 1843, 3., *Mag. Zool.*  
 1843, t. 74.; Sow. *Thes. Conch.* i. 97. n. 17. t. 23. f. 15, 16.;

*Pfeiff.* l. c. 104. n. 4.; *Kuster, Chemn. Conch. Cab.* 38. n. 29. i. 19. t. 5. f. 5—7.

a. Socotra.

b, c. Arabia Felix.

d. Socotra (*C. clathratulum Recluz.*)

## 2. OTOPOMA CLAUSUM.

*Cyclost. clausum Sow. Thes. Conch.* i. 128. n. 104. t. 31. f. 266, 267.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 20. f. 13—15., *Zeitsch.* l. c. 112. n. 2.

*Hab.* Yemen, Arabia.

## 3. OTOPOMA LISTERI.

*Cyclost. Listeri Gray, Ann. Philos.* 1821; *Sow. Thes. Conch.* i. 98. n. 20. t. 23. f. 22, 23.; *Pfeiffer, Zeitsch.* l. c. 105. n. 10; *Kuster, Chemn. Conch. Cab.* i. 19. t. 12. f. 30, 31.

*Cyclost. fimbriata Quoy & Gaim. Voy. Astrol.* ii. 188. t. 12. f. 31—35.; *De Lessert, Recueil.* t. 29. f. 12. a—c.? *Philippi, —?* *Gratel. —?*

*Cyclost. unifasciatum Sow. Thes. Conch.* i. 119. n. 81. t. 26. f. 105, 106.; *Pfeiffer, Zeitsch.* l. c. 106. n. 73.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 25. f. 4, 5.; *Lister, Conch.* t. 44. f. 42.

a—e. Mauritius.

## 4. OTOPOMA AURICULARE.

*Cyclost. auriculare Gray in Griffith's A. K.* xii. t. 28. f. 5.

*Cyclost. candidum Sow. Thes. Conch.* i. 117. n. 77. t. 26. f. 107.; *Pfeiffer, Zeitsch.* l. c. 104. n. 2.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 25. f. 6.

a. —?

## 5. OTOPOMA ALBICANS.

*Cyclost. albicans Sow. Spec. Conch.* f. 104, 105., *Beechey's Voy. Zool.* 146. t. 38. f. 30., *Thes. Conch.* i. 118. n. 79. t. 26. f. 110—112.; *Pfeiff. Zeitsch.* l. c. 104. n. 3.; *Kuster, Chemn. Conch. Cab.* 87. n. 83. i. 19. t. 11. f. 13, 14.

*Hab.* —? Cab. Gray.

## 6. OTOPOMA HÆMASTOMUM.

*Cyclost. hæmastomum Ant. Verzeichn.* 54. n. 1954.; *Pfeiff. Zeitsch.* l. c. 104. n. 5.; *Kuster, Chemn. Conch. Cab.* 24. n. 16. i. 19. t. 3. f. 3, 4.

*Hab.* Isle of France.



## 7. OTOPOMA POLITUM.

*Cyclost. politum* Sow. *Thes. Conch.* i. 97. n. 18. t. 23. f. 17.; *Pfeiff. Zeitsch.* l. c. 104. n. 6.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 21. f. 13, 14.

*Hab.* — ?

## 8. OTOPOMA PYGMÆUM.

*Cyclost. pygmæum* Sow. *Thes. Conch.* i. 104. n. 39. t. 30. f. 253.; *Pfeiff. l. c.* 105. n. 5.

*a.* New Ireland. Presented by R. B. Hinds, Esq.

## 9. OTOPOMA SPURCUM.

*Cyclost. spurcum* *Grat.* (not Sow.); *Pfeiff. l. c.* 104. n. 7.

*Hab.* — ?

§§ *Whorls keeled in front of axis, with a lip-like callus in axis.*

## 10. OTOPOMA MICHAUDI.

*Cyclost. Michaudi* *Grat.*; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 18. f. 14— 6.

*Cyclost. carinatum* Sow. *Thes. Conch.* i. 119 n. 83. t. 26. f. 117, 118. (not *Cyclost. carinata* Lamck.)

*Tropidophora Michaudi* *Pfeiff. Zeitsch.* l. c. 106. n. 13.

*a.* — ?

## 19. TROPIDOPHORA.

*Operculum* shelly, flat; whorls from 4 to 5, gradually increasing.—  
*Shell* depressed, or highly turbinated, generally acutely keeled, or strongly striated. *Peristome* simple, subcontinuous, reflexed, often partially covering the axis.

*Tropidophora* *Troschel* in *Menke und Pfeiffer, Zeitsch. f. Malak.* 1847, 44.; *Pfeiffer* in *Menke und Pfeiffer, Z. f. Malak.* 1847, 106.

§ *Peristome simple, reflexed. Axis open.*

## 1. TROPIDOPHORA CUVIERIANA.

*Cyclostoma Cuvierianum* *Petit, Rev. Zool.* 1841, 184., *Mag. Zool. Moll.* t. 55.; *Reeve, Conch. Syst.* t. 184. f. 14. t. 185. f. 24.; *Sow. Thes. Conch.* i. 115. n. 72. t. 30. f. 218, 219.; *Philippi,*

*Abbild. und Beschr. Conch.* i. 5. 103. t. 1. f. 1.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 9. n. 1. i. 19. t. 1. f. 1—4.

*Tropidophora Cuvieriana Pfeiffer, Zeitsch.* l. c. 106. n. 1.

a. Madagascar.

Var. 1. *Smaller, axis open.*

*Cyclost. Deshayesianum Petit, Mag. de Zool.* 2nd ser. 1844, *Mollusques*, t. 98.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 25. f. 8—10.

*Tropidoph. Deshayesiana Pfeiffer*, l. c. 106. n. 6.

*Hab.* Madagascar.

Var. 2. *Smaller, axis nearly closed.*

*Cyclostoma* — ? *Sow. Proc. Z. Soc.* ?

a. Madagascar.

## 2. TROPIDOPHORA ARTICULATA.

*Cyclost. articulata Gray in Griffith's A. K.* t. 28. f. 1.

*Cyclost. filosum Sow. Beechey's Voy.* t. 38. f. 31., *Thes. Conch.* i. 96. n. 11. t. 23. f. 14.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 18. f. 12, 13.

*Tropidoph. filosa Pfeiffer*, l. c. 106. n. 2.; *Cab. Gray*, specimen figured by Gray & Sowerby.

*Hab.* East Indies.

## 3. TROPIDOPHORA CARINATA.

*Lister, Hist. Conch.* t. 28. f. 26.; *Schröter, Einleit. Conchyl.* ii. 181. n. 10.

*Turbo carinatus Born, Mus. Cæs. Vind.* 353. t. 13. f. 3, 4.; *Gmel. Syst. Nat.* 3601. n. 57.; *Dillwyn, Cat.* ii. 866. n. 123. (not *Cyclost. carinata Lamck.*, nor *Desh. Enc. Meth.* n. 3.)

*Cyclost. tricarinatum Sow. Thes. Conch.* i. 120. n. 86. t. 26. f. 122.

*Tropidoph. carinata ? Pfeiffer*, l. c. 106. n. 5. ?

Var. *Cyclost. formosum Sow. Proc. Zool. Soc.* 1849, 15. n. 21., *Moll.* t. 2. f. 8, 9.

a, b. — ?

## 4. TROPIDOPHORA PULCHRA.

*Cyclost. pulchra Gray in Griffith's A. K.* t. 28. f. 3.

*Cyclost. ortyx (Val.) D'Orb. Mag. de Conch.* t. 117. f. 2.; *Sow. Thes. Conch.* i. 99. n. 24. t. 23. f. 27, 28.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 16. f. 13, 14.

*Cyclost. multicarinata* Jay, *Cat. of Shells*, 122. t. 7. f. 78.

*Tropidoph. ortyx* Pfeiffer, l. c. 107. n. 14.

*a—d.* Persian Gulf.

### 5. TROPIDOPHORA TRICARINATA.

*Helix tricarinata* Müller, *Hist. Verm.* ii. 84. n. 282., *Chemn. Conch.*

*Cab.* ix. 85. t. 126. f. 1103, 1104.; *Gmel. Syst. Nat.* 3621. n. 34.

*Turbo carinatus* Wood, *Ind. Test.* t. 32. f. 125.

*Cyclost. unicarinatum* Sow. *Thes. Conch.* i. 120. n. 84. t. 26. f. 119, 120.

*Cyclost. tricarinata* Lamck. *An. s. Vert.* vi. 144. 2nd edit. viii. 355. n. 6.

*Cyclost. tricarinatum* Potiez & Michaud, *Gal. Moll. Douai*, i. 242. n. 21. t. 24. f. 22, 23.

*Tropidoph. tricarinata* Pfeiffer, l. c. 106. n. 12.

*a—c.* Madagascar.

*d, e.* — ?

Var. 1. *Axis nearly completely closed by a callosity.*

*Cyclost. bicarinatum* Sow. *Thes. Conch.* i. 120. n. 85. t. 26. f. 121.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 19. f. 1—3.

*Tropidoph. bicarinata* Pfeiffer, l. c. 106. n. 9.

*a—c.* Madagascar.

Var. 2. *With only one keel.*

*Cyclost. unicarinata* Lamck. *An. s. Vert.* vi. 144. 2nd edit. viii. 355. n. 5.; *Desh. Enc. Méth. Vers*, ii. 40. n. 4. t. 461. f. 1. a, b.

*Cyclost. unicarinatum* Potiez & Michaud, *Gal. Moll. Douai*, t. 243. n. 23.

*Cyclost. obsoletum* var. Sow. *Thes. Conch.* i. 120. n. 84. t. 26. f. 125.; *Grat. Act. Soc. Linn. Bord.* xi. 443. t. 3. f. 17.

*Cyclost. madagascariensis* Gray in Griffith's *A. K.* t. 28. f. 4.

*Cyclophora madagascariensis* Swainson, *Malac.* 336.

*Tropidoph. unicarinata* Pfeiffer, l. c. 106. n. 4.

*a.* Madagascar.

Var. 3. *With several keels.*

*Cyclost. carinata* Lamck. *An. s. Vert.* vi. 143. 2nd edit. viii. 354. n. 3., exclusive of synonymes, with exception of *Desh. Enc. Méth. Vers*, ii. 40. n. 3.

*Hab.* Madagascar; fide *Deshayes*.

Var. 4. *2-keeled?*

*Cyclost. campanulatum* Pfeiffer, *Kuster, Chemn. Conch. Cab.* i. 19. t. 18. f. 4. 6.



*Tropidoph. campanulata* Pfeiffer, *Zeitsch.* l. c. 106. n. 8.

*Hab.* — ?

#### 6. TROPIDOPHORA OBSOLETA.

*Cyclost. obsoleta* Lamck. *An. s. Vert.* 1st edit. vi. 144., 2nd edit. viii. 355. n. 7.; *De Lessert, Recueil*, t. 29. f. 11.

*Cyclost. obsoletum* Sow. *Thes. Conch.* i. 121. n. 88. t. 26. f. 124.; *Reeve, Conch. Syst.* t. 183. f. 4.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 32. n. 23. t. 4. f. 14. (15.?) i. 19. t. 5. f. 8, 9., *Zeitsch.* l. c. 106. n. 67.

*Turbo ligatus* Chemn. *Conch. Cab.* ix. 60. t. 123. f. 1073-74 ?

*a, b.* Madagascar.

#### 7. TROPIDOPHORA APLUSTRIS.

*Cyclost. aplustre* Sow. *Proc. Zool. Soc.* 1849, 15. n. 2., *Moll.* t. 2. f. 4, 5.

*Hab.* Madagascar.

#### 8. TROPIDOPHORA PULCHELLA.

*Cyclost. pulchellum* Sow. *Thes. Conch.* i. 129. n. 109 t. 31. f. 263, 264. young; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 18. f. 7, 8. (copied.)

*Tropidoph. pulchella* Pfeiffer, *Zeitsch.* l. c. 106. n. 11.

*Cyclost. Hanleyi* Pfeiffer, *Kuster, Chemn. Conch. Cab.* t. 19. t. 18. f. 9. 11. older.

*Trop. Hanleyi* Pfeiffer, *Zeitsch.* l. c. 106. n. 10.

*a* — ?

#### 9. TROPIDOPHORA ASPERA.

*Cyclost. asperum* Pot. & Mich. *Gal. Moll.* i. 233. t. 23. f. 15, 16.; *Pfeiff. Zeitsch.* l. c. 106. n. 69.; *Kuster, Chemn. Conch. Cab.* 90. n. 86. i. 19. t. 11. f. 3, 4.

*Cyclost. Harveyanum* Sow. *Thes. Conch.* i. 128. n. 106. t. 30. f. 250., *Spec. Conch.* f. 210.; *Reeve, Conch. Syst.* t. 184. f. 13.

*a-c.* Madagascar.

#### 10. TROPIDOPHORA CALCAREA.

*Cyclost. calcareum* Sow. *Thes. Conch.* i. 118. n. 80. t. 26. f. 113.; *Pfeiffer, Zeitsch.* l. c. 106. n. 63.; *Kuster, Chemn. Conch. Cab.* 88. n. 84. i. 19. t. 11. f. 11, 12.

*Cyclost. sulcata* Lamck. *An. s. Vert.* vi. 144. 2nd edit. viii. 354. n. 4.; *De Lessert, Recueil*, t. 29. f. 9. a-c.

*a.* — ?

## 11. ? TROPIDOPHORA CITRINA.

*Cyclost. citrinum* Sow. *Thes. Conch.* i. 117. n. 76. t. 25. f. 104.;  
*Pfeiffer, Zeitsch.* l. c. 106. n. 72.; *Kuster, Chemn. Conch. Cab.* i.  
 19. t. 21. f. 22.

*a.* Without operculum. — — ?

*Var. β.* *Smaller.*

*Cyclost. rugosum* Sow. *Thes. Conch.* i. 121. n. 87. t. 26. f. 123.?

*Cyclost. semidecussatum* *Pfeiffer*, l. c. 106. n. 63.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 21. f. 17. 19.

*Hab.* Trinidad.

## 12. ? TROPIDOPHORA FULVESCENS.

*Cyclost. fulvescens* Sow. *Proc. Zool. Soc.* 1843, 63., *Thes. Conch.*  
 i. 99. n. 23. t. 25. f. 79, 80.; *Pfeiffer, Zeitsch.* l. c. 106. n. 70.;  
*Kuster, Chemn. Conch. Cab.* 39. n. 30. i. 19. t. 5. f. 10, 11.

*a.* Madagascar.

## 13. ? TROPIDOPHORA PYROSTOMA.

*Cyclost. pyrostoma* Sow. *Thes. Conch.* i. 129. n. 108. t. 29. f.  
 200.; *Pfeiffer*, l. c. 106. n. 71.; *Kuster, Chemn. Conch. Cab.* i.  
 19. t. 21. f. 23.

*Cyclost. hæmastoma* *Grat.*

*a, b.* Mayotta.

## 14. TROPIDOPHORA RUGOSA.

*Cyclost. rugosa* *Lamck. An. s. Vert.* vi. 145. 2nd ed. viii. 356. n. 8.;  
*De Lessert, Rec.* t. 29. f. 7. a—c. ?; *Kuster, Chemn. Conch. Cab.*  
 i. 19. t. 21. f. 15, 16.??

*Cyclost. cinctum* Sow. *Thes. Conch.* i. 129. n. 107. t. 29. f. 199.;  
*Pfeiff.* l. c. 106. n. 64.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 19.  
 f. 6, 7.

*Hab.* E. Indies.

§§ *Peristome reflexed. Outer lip sinuous. Axis closed.*

## 15. TROPIDOPHORA FLEXILABRUM.

*Cyclost. flexilabrum* Sow. *Thes. Conch.* i. 130. n. 112. t. 31. f. 258,  
 259.; *Pfeiffer*, l. c. 106. 77.; *Kuster, Chemn. Conch. Cab.* 91. n.  
 87. t. 11. f. 7, 8.

*a, b.* Madagascar.

## 16. ? TROPIDOPHORA MULTIFASCIATUM.

*Cyclost. multifasciatum* *Grat.*; *Pfeiff.* l. c. 106. n. 68.

## 17. ? TROPIDOPHORA DUISABONIS.

Cyclost. Duisabonis *Grat.*; *Pfeiff.* l. c. 106. n. 66.

## 18. TROPIDOPHORA TERVERIANA.

Cyclost. Terveriana *Grat.*

Trop. Terveriana *Pfeiff.* l. c. 106. n. 7.

## 19. TROPIDOPHORA ABEILLEI.

Cyclost. Abeillei *Grat.*

Tropidoph. Abeillei *Pfeiffer*, l. c. 106. n. 3.

## 20. CYCLOSTOMUS.

*Operculum* shelly, few-whorled; whorls flat, last broad; nucleus excentric. — *Shell* globoso-conical, or conical-turritid, thin. Axis open, simple. Peristome simple or double, continued, straight or expanded.

Cyclostomus *Montf. Conch. Syst.* 1810; *Gray, Proc. Zool. Soc.* 1847, 181.

Cyclostome (Cyclostoma) *Lamck. Ext. du Cour.* 1812. not Syst. 1801; not Bosc, 1802; not Schum. 1817, 196.

Cyclostoma sp. *Lamck. Ann. Mus.* iv. 109. 212. 1803, *Phil. Zool.* 1804; *Drap. Hist.* 25. 28. 32. 1805; *Studer, Verz.* 21. 1820; *Hartmann, Sturm. Fauna*, 35. 1821, 1840; *Troschel in Menke, Zeitsch. f. Malak.* 1847, 43.; *Pfeiffer in Menke und Pfeiffer, Z. f. Malak.* 1847, 104.

β. *Leonia Gray, Syn. Brit. Mus.* 1840 (*Cyclost. Volsii*).

§ *Peristome simple, slightly reflexed.*

\* *Axis widely umbilicated. Shell globoso-conical.*

## 1. CYCLOSTOMUS LIGATUS.

*Nerita ligata Müller, Hist. Verm.* ii. 181. n. 368.

*Turbo ligatus Chemn. Conch. Cab.* ix. 60. t. 123. f. 1071-72.; *Wood, Ind. Test.* t. 32. f. 122.

*Cyclostoma ligata Lamck. An. s. Vert.* 2nd ed. viii. 359. n. 20.

Cyclost. ligatum *Sow. Thes. Conch.* i. 98. n. 21. t. 23. f. 24.; *Potiez et Mich. Gal. Moll. Douai*, 234. t. 23. f. 23, 24.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 4. f. 12. 15. t. 8. f. 3, 4., *Zeitsch.* l. c. 104. n. 8.; *Krauss, Sudafrik. Mollusk.* 82. n. 1.

*Cyclophora ligata Swainson, Malac.* 336.

*a, b.* — ?

*c—e.* Syria ?

*f.* Cape of Good Hope. From the Collection of Dr. Krauss.



Var. *Smaller*.

Cyclost. affine *Sow. Thes. Conch.* i. 98. n. 22. t. 23. f. 25, 26.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* 62. n. 57. i. 19. t. 8. f. 17,  
 18., *Zeitsch.* l. c. 105. n. 9.

Cyclost. ligatum var. *Krauss, Sudafrik. Mollusk.* 82.

*a—j.* Cape of Good Hope. From the Collection of Dr.  
 Krauss.

*k—v.* Simon's Bay, Cape of Good Hope. Presented by J.  
 M'Gillivray, Esq.

*w, x.* — ?

*y, z.* India. From the Collection of Capt. Boys.

## 2. CYCLOSTOMUS GOUDOTIANUS.

Cyclost. Goudotianum *Sow. Thes. Conch.* i. 130. n. 110. t. 29.  
 f. 193.; *Pfeiffer, Zeitsch.* l. c. 106. n. 74.; *Kuster, Chemn, Conch.*  
*Cab.* i. 19. t. 13. f. 8. 10.

Cyclost. ligatum var. *Krauss, Sudafrik. Mollusk.* 82.

*a.* — ? Var. of Cyclost. ligatum ?

*b—d.* Cape of Good Hope. From the Collection of Dr.  
 Krauss.

\*\* *Axis narrowly umbilicated.*

† *Shell subgloboso-conical.*

## 3. CYCLOSTOMUS CONSOCIUS.

Cyclost. consocium *Fer. MS. Brit. Mus.*

*a—c.* Madagascar.

## 4. CYCLOSTOMUS NOVÆ HIBERNIÆ.

Cyclost. Novæ Hiberniæ *Quoy & Gaim. Voy. Astr. Zool.* ii. 182.  
 t. 12. f. 15. 19.; *Pfeiffer, l. c.* 106. 79.; *Lamck. An. s. Vert.* 2nd  
 ed. viii. 368. n. 33.

*Hab.* New Ireland.

## 5. CYCLOSTOMUS LÆVIGATUS.

Cyclost. lævigatum *Webb & Berth. Ann. Sc. Nat.* 1833; *Sow.*  
*Thes. Conch.* i. 107. n. 49. t. 24. f. 62, 63.; *Pfeiff.* l. c. 105. n.  
 11.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 13. f. 13, 14. f. 23,  
 24. var.

Cyclost. canariense *D'Orb.*

*Hab.* Teneriffe.

## 6. CYCLOSTOMUS UNDULATUS.

Cyclost. undulatum *Sow. Thes. Conch.* i. 99. n. 25. t. 23. f. 29, 30.; *Pfeiff.* l. c. 105. n. 13.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 12. f. 24. 26.

? Cyclost. fimbriata *Lamck. An. s. Vert.* 2nd edit. viii. 360. n. 23.

*Hab.* Bengal.

†† *Shell conico-pyramidal.*

## 7. CYCLOSTOMUS VIRGATUS.

Cyclost. virgatum *Sow. Thes. Conch.* i. 130. n. 111. t. 29. f. 192.; *Pfeiffer*, l. c. 106. n. 75.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 13. f. 1—4. f. 5—7. var.

*a—c.* Madagascar?

## 8. CYCLOSTOMUS CINCINNUS.

Cyclost. cinnus *Sow. Thes. Conch.* i. 102. n. 32. t. 24. f. 77, 78.; *Pfeiff.* l. c. 105. n. 12.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 18. f. 1—3.

? Cyclost. ligatulum *Gratel.*

Cyclost. modestum ? *Fer. ? MS.* in *Brit. Mus.*

*a.* Madagascar?

## 9. CYCLOSTOMUS TENUIS.

Cyclost. tenue *Sow. Thes. Conch.* i. 138. n. 134. t. 31. f. 265.; *Pfeiffer*, l. c. 106. n. 76.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 25. f. 11.

*a.* — ? Jun. ?

§§ *Peristome simple, straight.*

\* *Shell globoso-conical.*

## 10. CYCLOSTOMUS COSTULATUS.

Cyclost. costulatum *Ziegler MS.* in *Rossm. Icon. Moll.* vi. 49. n. 395. t. 28. f. 395.; *Potiez et Mich. Gal. Moll. Douai*, i. 234. t. 24. f. 1, 2.; *Crist. et Jan. Cat. Moll.* 6. n. 4.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 71. n. 66. i. 19. t. 9. f. 6—8., *Zeitsch.* l. c. 105. n. 17.

Cyclost. sulcatum *Olivier* (not *Lamck.*) *Voy. dans le Levant*, in *Sow. Thes. Conch.* i. 100. n. 27. t. 23. f. 31.

Cyclost. Olivieri *Sow.*; *Pfeiffer, Kuster, Conch. Cab.* i. 19. t. 21. f. 20. 24., *Zeitsch.* l. c. 105. n. 16.; *Charpentier, Zeitsch. für Malak.* 1847, 144. n. 22.

*Cyclost. syriacum* Ziegler, fide Parreyss, Charpent. l. c.

*Cyclost. orientale* Rossm. ? fide Parreyss.

a. — ?

b—f. Orient. From the Collection of M. Parreyss.

g. Egypt.

h. Syria.

i, j. — ? From the Collection of M. Ziegler.

# 11. CYCLOSTOMUS GLAUCUS.

*Cyclost. glaucum* Sow. *Thes. Conch.* i. 100. n. 28. t. 24. f. 39.;  
*Pfeiff.* l. c. 105. n. 18.; *Kuster, Chemn. Conch. Cab.* 72. n. 67. i.  
 19. t. 9. f. 3—5.

*Cyclost. breviale* Gray MS. Brit. Mus.

*Cyclost. striatum* Menke, *Synops.* ed. 11. p. 40. (absque descript.)

a. — ? Mus. Sloane.

\*\* *Shell conical, oblong.*

# 12. CYCLOSTOMUS ELEGANS.

*Nerita elegans* Müller, *Hist. Verm.* ii. 177. n. 363.; *Schröter, Fluss. Conch.* 366. t. 9. f. 15.

*Turbo elegans* Gmel. *S. N.* 3606. n. 74.; *Poiret, Prodr.* 31. n. 2.;  
*Pennant, Brit. Zool.* iv. 302. t. 85. f. 2.; *Dillwyn, Cat.* ii. 863. n.  
 116.; *Wood, Ind. Test.* t. 32. f. 118.

*Cyclost. elegans* Drap. *Hist. Moll.* t. 1. f. 5. and 7., *Tab. Moll.*  
 38. n. 1.; *Lamck. A. s. V.* 2nd ed. viii. 360. n. 25.; *Rossmassler, Icon.* i. 90. t. 2. f. 44. t. 5. f. 80—82.; *Potiez et Mich. Gal. Moll.*  
*Douai,* i. 235. n. 7.; *Féruss. Syst. Conch.* 66. n. 1.; *Turton, Manual,* 93. f. 75. edit. Gray, 275. t. 7. f. 75.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 73. n. 68. t. 9. f. 29—31. t. 28. f. 23.;  
*Zeitsch.* l. c. 105. n. 24.; *Sow. Thes. Conch.* i. 101. n. 30. t. 23.  
 f. 32, 33.; *Bouillet, Cat. Coq. Foss. d'Anv.* 113. n. 1. (fossil);  
*Webb et Berth. Syn. Moll. Canar.* 17. n. 1.

Var. β. *Hartm.* in *Neue Alpina*, i. 215.

*Turbo lincina* Chemn. *Conch. Cab.* ix. t. 123. f. 1060. d, e.

*Turbo striatus* Da Costa, *Brit. Conch.* 86. t. 5. f. 9.

*Turbo reflexus* Olivi, *Adriat.* 170.

*Columna de Purp.* ch. 9. p. 16. t. 13.; *Lister, Hist. Conch.* t. 27.  
 f. 25.

a—c. Genoa. From Dr. Goodall's Collection.

d, e. South of Italy. Presented by Sir W. Trevelyan, Bart.

f—h. — ? From the Collection of M. Ziegler.

i—p. Pyrmont.

q. St. Giron, Cariége.

r—t. Dalmatia.

u—w. Syria. From the Collection of M. Parreyss.



*x, y.* —? Var. white.

*z—bb.* Grignon. Fossil. From the Collection of M. Deshayes.

Var. *Small.*

*Turbo marmoreus* Brown, *Edin. Journ. Nat. and Geogr. Sc.* i.

*Cyclost. marmoreum* Sow. *Thes. Conch.* i. 101. n. 31. t. 23. f. 34, 35.; *Pfeiff.* l. c. 105. n. 25.

*a, b.* Near Edinburgh. From the Collection of Mr. Sowerby.

### 13. CYCLOSTOMUS SULCATUS.

*Cyclost. sulcatum* Drap. *Moll.* 33. n. 2. t. 13. f. 1.; *Philippi, Enum. Moll. Sic.* 144. n. 2.; *Rossm. Icon. Moll.* vi. 48. n. 394. t. 28. f. 394.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 67. n. 63. i. 19. t. 9. f. 24—26., *Zeitsch.* l. c. 105. n. 22.; *Risso, Hist. Nat. Eur. Merid.* n. 243.

*Cyclost. sulcata* Lamck. *An. s. Vert.* 2nd ed. viii. 370. n. 38.

*Turbo lincina* Chemn. *Conch. Cab.* ix. t. 123. f. 1060. b, c.

*Cyclost. affinis* Risso, *Nat. Hist. Eur. Merid.* iv. 104.

*Cyclost. multisulcatum* Potiez & Mich. *Gal. Moll. Douai*, i. 238. n. 13. t. 24. f. 11, 12.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 69. n. 64. i. 19. t. 9. f. 21—23., *Zeitsch.* l. c. 106. n. 53.

*Cyclost. polysulcatum* Potiez & Mich. l. c. 239. n. 16. t. 24. f. 13, 14.

*Cyclost. aurantium* Anton, *Verz.* 54. n. 1956.

*Cyclost. siculum* Sow. *Thes. Conch.* i. 104. n. 40. t. 24. f. 51, 52.

*Cyclost. tenellum* Sow. l. c. i. 104. n. 38. t. 24. f. 50.

*a—l.* —?

*m—q.* Marseilles. Presented by Professor Roux.

*r.* —?

*s—w.* Brignoles. Presented by G. Newman, Esq.

*x, y.* —? From the Collection of Mr. Broderip.

*z.* Marseilles. Presented by Professor E. Forbes.

*aa—dd.* Oran.

*ee—hh.* Bougie. (*Cyclost. tenellum* Sow.)

*ii—ll.* —? (*Cyclost. tenellum* Sow.)

*mm.* Sardinia. (*Cyclost. tenellum* Sow.) Presented by Professor Bonelli.

*nn—pp.* —? (*Cyclost. tenellum* Sow.)

### 14. CYCLOSTOMUS MELITENSIS.

*Cyclost. melitense* Sow. *Thes. Conch.* i. 105. n. 41. t. 24. f. 53, 54.; *Pfeiffer, Kuster, Chemn. Conch.* i. 19. t. 13. f. 24—26., *Zeitsch.* l. c. 105. n. 23.

Var. of preceding?

*a—d.* Malta. Presented by J. Ritchie, Esq.

*e, f.* Malta.

*g.* Var. Malta. Presented by J. Ritchie, Esq.

\*\*\* *Shell conical, elongate.*

#### 15. CYCLOSTOMUS FERRUGINEUS.

Cyclost. ferruginea *Lamck. An. s. Vert.* vi. 147. n. 17., 2nd ed. viii. 358. n. 16.; *De Lessert, Rec. Coq.* t. 29. f. 4. a—c.

Cyclost. ferrugineum *Sow. Thes. Conch.* i. 105. n. 42. t. 24. f. 55—57.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 70. n. 65. i. 19. t. 9. f. 27, 28., *Zeitsch.* l. c. 105. n. 21.; *Mich. Coq. d'Algers*, ii. n. 2. f. 23.; *Potiez et Mich. Gal. Moll. Douai*, i. 236. t. 24. f. 7, 8.; *Rossmass. Icon. Moll.* vi. 49. n. 396. t. 28. f. 396.

Cyclost. fulvum *Gray in Wood's Cat. Supp.* 36.

Turbo fulvus *Wood's Cat. Supp.* t. 6. f. 9.

Cyclost. productum *Turton, Man.* 94. n. 76. f. 76.

Cyclost. sulcata (pars) *Desh., Lamck. ed.* viii. 370. n. 38.

*a—c.* Palma.

*d—f.* —? Mus. Cracherode.

#### 16. CYCLOSTOMUS DISSECTUS.

Cyclost. dissectum *Sow. Thes. Conch.* i. 105. n. 43. t. 24. f. 58, 59.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 21. f. 1, 2., *Zeitsch.* l. c. 105. n. 27.

*Hab.* —?

§§§ *Peristome double, expanded.*

\* *Shell globoso-conical. Suture simple.*

#### 17. CYCLOSTOMUS ALBUS.

Cyclost. albus *Sow. Thes. Conch.* i. 141. n. 139. t. 28. f. 154.; *Pfeiff.* l. c. 106. n. 57.; *Kuster, Chemn. Conch. Cab.* 51. n. 44. i. 19. t. 6. f. 17—19.

*a—d.* Jamaica. Presented by Professor C. B. Adams.

*e—g.* Jamaica. Var. fuscum. Presented by Prof. C. B. Adams.

\*\* *Shell globoso-conical. Suture crenulate.*

#### 18. CYCLOSTOMUS BRONNII.

Cyclost. Bronnii *Adams, Proc. Bost. Soc.* 1845, 11.; *Pfeiff.* l. c. 105. n. 38., *Zeitsch. Malak.* 1846, 46.; *Kuster, Chemn. Conch. Cab.* 50. n. 43. i. 19. t. 6. f. 24, 25.

β. fuscolineatum *Ad. Bost. Proc.* 1845, 11.?

*a—d.* Jamaica. Presented by Prof. C. B. Adams.

*e—n.* ———?

### 19. CYCLOSTOMUS PYGMÆUS.

*Cyclost. pygmæum Mich. Compl. à Drap.* 75. n. 3. t. 15. f. 46, 47.; *Potiez et Mich. Gal. Moll. Douai*, i. 240. n. 17. t. 24. f. 15—17.

*Cyclost. pygmæa Lamck. An. s. Vert.* 2nd ed. viii. 373. n. 44.

*Hab.* South of France.

### 21. TUDORA.

*Operculum* shelly, flat, of few whorls concentrically striated (*Potiez*, figure). — *Shell* ovate. Peristome much expanded, slightly reflexed, especially on inner edge, where it nearly conceals the umbilicus.

Differs from *Choanopoma* in having no appearance of the inner of the two lips.

#### 1. TUDORA SIMILIS.

*Cyclost. megacheilos Potiez & Mich. Moll. Gal. Douai*, i. 237. t. 24. f. 9, 10.; *Pfeiffer*, l. c. 106. n. 55.

*Cyclost. megachilum Pfeiffer, Kuster, Chemn. Conch. Cab.* 66. n. 62. i. 19. t. 9. f. 15—19.

*Cyclost. simile Gray MS. in Sow. Thes. Conch.* i. 103. n. 37. t. 24. f. 48, 49.

*a—g.* Orient.

### 22. CHOANOPOMA.

*Operculum* calcareous, thin, externally deeply concave; the whorls rather narrow, terminating externally in more or less prominent thin lamellæ, with a subcentral nucleus. — *Shell* turbate, globose, or turrited, often truncate. Peristome double; the internal continuous, circular; the external rectangular, expanded.

*Choanopoma Pfeiffer in Menke und Pfeiffer, Z. f. Malak.* 1847, 47. and 107.

*Cistula Humph. Mus. Calonne*, 1797; *Swainson, Malac.* 21. 1840.

*Licina* β. *Gray, Syn.* 1840, 1842, 91., *Proc. Zool. Soc.* 1847, 181.



§ *Lamellæ of whorls of operculum very prominent.*

\* *Shell subglobose, cancellate.*

† *Fringe crenated.*

### 1. CHOANOPOMA PULCHRUM.

*Turbo pulcher* Wood, *Cat. Supp.* t. 6. f. 4.

*Cyclost. pulchrum* Gray in Wood's *Cat. Supp.* 36.; *Sow. Gen.* n. 35. f. 2., *Spec. Conch.* f. 134, 135., *Thes. Conch.* i. 132. n. 117. t. 27. f. 143, 144.; *Reeve, Conch. Syst.* t. 184. f. 12.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 75. n. 69. i. 19. t. 10. f. 1, 2.

*Cyclophora pulchra* Swains. *Malacol.* 336.

*Choanopoma pulchrum* Pfeiffer, l. c. 107. n. 1.

*a, b.* — ?

### 2. CHOANOPOMA FIMBRIATULUM.

*Cyclost. fimbriatulum* Sow. *Tank. Cat. App.* 8. n. 1015., *Spec. Conch.* f. 136., *Thes. Conch.* i. 132. n. 118. t. 28. f. 145, 146.; *Reeve, Conch. Syst.* t. 183. f. 5.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 76. n. 70. i. 19. t. 10. f. 3—5.

*Turbo lincina* Chemn. *Conch. Cab.* ix. 54. t. 123. f. 1060. a.

*Annularia fimbriata* Schumach. *Ess. Nov. Syst.* 196.?

*Choanopoma fimbriatulum* Pfeiffer, l. c. 107. n. 7.

*a, b.* — ?

### 3. CHOANOPOMA LINCINUM.

*Turbo lincina* Linn. *Syst. Nat.* ed. 12. i. 1239. n. 639.; *Schröter, Einleitung*, ii. 43. n. 35.; *Gmel. Linn. Syst. Nat.* 3605. n. 71.; *Dillw. Cat.* ii. 864. n. 117.; *Wood, Cat.* t. 32. f. 119.?

*Cyclost. lincinum* Sow. *Thes. Conch.* i. 140. n. 138. t. 28. f. 148.; *Pfeiffer, Chemn. Conch. Cab.* 43. n. 34. i. 19. t. 6. f. 1, 2.

*Cyclost. lincina* Lamck. *An. s. Vert.* 2nd edit. 368. n. 32.

*Nerita lincina* Müller, *Hist. Verm.* ii. 178. n. 364. ? *Schröter, Fluss. Conch.* 365.

*Campulote en forme de Buccin*, Guettard, *Mém. Sc. et Arts*, iii. 542. t. 71. f. 10.

*Choanopoma lincina* Pfeiffer, l. c. 107. n. 3.

*Lister, Hist. Conch.* t. 26. f. 24.; *Petiver, Gazoph.* t. 118. f. 11.; *Sloane, Jamaica*, ii. 240. f. 12, 13.; *Browne, Jamaica*, t. 40. f. 5.

*a, b.* Jamaica. Presented by Professor C. B. Adams.

*c.* — ?

## 4. CHOANOPOMA SCABRICULUM.

Cyclost. scabriculum *Sow. Thes. Conch.* i. 133. n. 119. t. 28. f. 147.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 77. n. 71. i. 19. t. 10. f. 6—8.

Choanopoma scabriculum *Pfeiffer*, l. c. 107. p. 8.

*a—c.* Jamaica.

*d, e.* — ?

†† *Fringe of mouth simple.*

## 5. CHOANOPOMA LIMA.

Cyclost. lima *Adams, Proc. Bost. Soc.* 1845, 11.; *Pfeiffer, Zeitsch. für Malak.* 1846, 46.; *Kuster, Chemn. Conch. Cab.* 44. n. 35. i. 19. t. 6. f. 3—6.

Cyclost. lincinum (pars) *Sow. Thes. Conch.* t. 28. f. 149.

Choanopoma lima *Pfeiffer*, l. c. 107. n. 2.

*a, b.* Jamaica. Presented by Professor C. B. Adams.

## 6. CHOANOPOMA OTTONIS.

Cyclost. Ottonis *Pfeiffer, Zeitsch. für Malak.* 1846, 45.; *Kuster, Chemn. Conch. Cab.* 45. n. 36. i. 19. t. 6. f. 7, 8.

Choanopoma Ottonis *Pfeiffer*, l. c. 107. n. 7.

*Hab.* Cuba.

## 7. CHOANOPOMA LATILABRE.

Cyclost. latilabrum *D'Orb. Cub.* i. 255. t. 21. f. 12.; *Sow. Thes. Conch.* i. 131. n. 116. t. 31. f. 281.; *Pfeiffer*, l. c. 104. n. 43.; *Kuster, Chemn. Conch. Cab.* 78. n. 7. i. 19. t. 10. f. 26, 27.

*Hab.* — ?

## 8. CHOANOPOMA PUDICUM.

Cyclost. pudicum *D'Orb. Sow. Thes. Conch.* i. 143. n. 147. t. 31. f. 282.

Choanopoma pudicum *Pfeiffer*, l. c. 107. n. 5.

*Hab.* Cuba.

## 9. CHOANOPOMA AMBIGUUM.

Cyclost. ambigua *Lamck. An. s. Vert.* vi. 2nd ed. viii. 357. n. 11.; *Pfeiffer*, l. c. 105. 449.

Cyclost. interrupta *De Lessert, Recueil*, t. 29. f. 2. *a—c.*

*Hab.* — ?

\*\* *Shell elongate.*

† *Fringe crenated.*

#### 10. CHOANOPOMA SAULIÆ.

Cyclost. Sauliæ Sow. *Thes. Conch.* i. 145. n. 152. t. 28. f. 189.;  
Pfeiffer, Kuster, *Chemn. Conch. Cab.* 85. n. 80. i. 19. t. 10. f.  
24, 25., *Zeitsch.* l. c. 106. n. 60.

a—c. — ?

#### 11. CHOANOPOMA DISLOCATUM.

Smaller than preceding; last whorl separated.

a—g. Jamaica. Presented by the Rev. Barham Zincke.

#### 12. CHOANOPOMA SCABROSUM.

Cyclost. rugulosum Sow. (not Pfeiff.) *Thes. Conch.* i. 146. n. 155.  
t. 28. f. 166, 167.; Sow. in *Proc. Zool. Soc.* 1843, 29. ?

Cistula scabrosa Humphrey MS. in Sow. *Thes.* l. c.

a—c. Jamaica. From the Collection of Mr. Cuming.

#### 13. CHOANOPOMA PRETREI.

Cyclost. Pretrei D'Orb. Sow. *Thes. Conch.* i. 139. n. 136. t. 31. f.  
260.; Pfeiffer, l. c. 106. n. 62.; Kuster, *Chemn. Conch. Cab.* i.  
19. t. 21. f. 9—12.

Hab. Cuba.

†† *Fringe of mouth simple.*

#### 14. CHOANOPOMA LARGILLIERTI.

Cyclost. Largillierti Pfeiffer, *Zeitsch. für Malak.* 1836, 46., l. c.  
105. n. 36.; Kuster, *Chemn. Conch. Cab.* i. 19. t. 14. f. 26, 27.

Hab. Yucatan.

#### 15. CHOANOPOMA MAURITIANUM, sp. nov. ?

Cyclostoma crenulatum Fér. fide Parreyss, MS. Brit. Mus.

a. Isle of France. From the Collection of M. Parreyss.

\*\*\* *Shell oblong. Fringe of mouth simple.*

#### 16. CHOANOPOMA MIRABILE.

Turbo mirabilis Wood, *Cat. Supp.* t. 6. f. 22.

Cyclost. mirabile Gray in Wood's *Cat. Supp.* 36.; Sow. *Thes.*  
*Conch.* i. 145. n. 153. t. 28. f. 164.; Kuster, *Chemn. Conch. Cab.*  
i. 19. t. 14. f. 17—19.



*Cyclost. mirabilis* Lamck. *An. s. Vert.* 2nd ed. viii. 371. n. 40.

*Choanopoma mirabile* Pfeiffer, l. c. 107. n. 9.

*Hab.* Demerara.

#### 17. CHOANOPOMA ARTICULATUM.

*Cyclost. articulatum* Sow. *Thes. Conch.* i. 142. n. 144. t. 28. f. 160, 161.

*Choanopoma articulatum* Pfeiffer, l. c. 107. n. 10.

Var. of *Choan. mirabile*?

*a—c.* —?

*d, e.* Jamaica. Presented by Prof. C. B. Adams.

*f, g.* Jamaica. Var. nearly smooth. Presented by Prof. C. B. Adams.

*h—j.* —? From the Collection of Mr. Cuming.

#### 18. CHOANOPOMA GRAYANUM.

*Cyclost. obscurum* Gray MS. in Sow. *Thes. Conch.* i. 147. n. 157. t. 28. f. 169.

*Cyclost. Grayanum* Pfeiffer, *Zeitsch. f. Malak.* 1846, 43.; *Kuster, Chemn. Conch. Cab.* 49. n. i. 19. 42. t. 6. f. 15, 16.

*Choanopoma Grayanum* Pfeiffer, l. c. 107. n. 11.

*a—c.* Jamaica. Presented by Prof. C. B. Adams.

#### 19. CHOANOPOMA BANKSIANUM.

*Cyclost. Banksianum* Sow. *Thes. Conch.* i. 144. n. 148. t. 29. f. 194.; *Pfeiff.* l. c. 105. n. 39.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 21. f. 7, 8.

*Hab.* Manchester Mountains, Jamaica.

#### 20. CHOANOPOMA BINNEYANUM.

*Cyclost. Binneyanum* Adams, *Pfeiff. Zeitsch. f. Malak.* 1846, 47., l. c. 106. n. 51.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 12—14.

*Cyclost. pulchrius*? Adams, *Proc. Bost. Soc.* 1845.

*a—c.* Jamaica. Presented by Prof. C. B. Adams.

#### 21. CHOANOPOMA HILLIANUM.

*Cyclost. Hillianum* Adams.

*Choanopoma Hillianum* Pfeiffer, l. c. 107. n. 12.

*Hab.* Jamaica.

#### 22. CHOANOPOMA? BILABIATUM.

*Cyclost. bilabiatum* D'Orb., *Pfeiffer*, l. c. 106. n. 50.

## 23. CHOANOPOMA XANTHOSTOMA.

Cyclost. xanthostoma *Sow. Thes. Conch.* i. 144. n. 149. t. 29. f. 195.; *Pfeiffer*, l. c. 105. n. 47.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 6—8.

*a—c.* Jamaica. From the Collection of Mr. Gosse.

*d—g.* —?

## 24. CHOANOPOMA CHLOROSTOMA.

Cyclost. chlorostoma *Sow. Thes. Conch.* i. 146. n. 156. t. 28. f. 168.; *Pfeiff.* l. c. 106. 52.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 1—3.

*a, b.* Demerara. From Mr. Bainbridge's Collection.

§§ *Lamellæ of whorls of operculum slightly prominent.*

\* *Last whorl of shell not separate from preceding.*

## 25. CHOANOPOMA HUMPHREYANUM.

Cyclost. Humphreysianum *Pfeiff. Wieg. Archiv.* 1839, *Zeitsch. f. Malak.* 1846, 41.

Cyclost. Humphreyanum *Pfeiffer, Zeitsch.* 1847, 105. n. 46.; *Kuster, Chemn. Conch. Cab.* 80 n. 74. i. 19. t. 10. f. 9—11.

Cyclost. pictum *Sow. Thes. Conch.* i. 142. n. 142. t. 28. f. 157, 158.

*Cistula picta* *Humph. MS. ined.* in *Sow.* l. c.

Near *thysanoraphe*.

*a—h.* Jamaica. Presented by the Rev. Barham Zincke.

*l.* —? From Mr. Powis's Collection.

*m.* —? Running into *C. thysanoraphe*. From Mr. Powis's Collection.

## 26. CHOANOPOMA THYSANORAPHE.

Cyclost. thysanoraphe *Sow. Thes. Conch.* i. 143. n. 145. t. 28. f. 162, 163.; *Pfeiff.* l. c. 105. n. 31.; *Kuster, Chemn. Conch. Cab.* 81. n. 75. i. 19. t. 10. f. 16—18. t. 13. f. 28, 29.

*a—c.* Jamaica.

*d, e.* Jamaica. Presented by Prof. C. B. Adams.

## 27. CHOANOPOMA INTERRUPTUM.

Cyclost. interrupta *Lamck. An. s. Vert.* vi. 145. 2nd ed. viii. 356. n. 10.

Cyclost. interruptum *Sow. Thes. Conch.* i. 141. n. 141. t. 28. f. 152, 153.; *Pfeiffer*, l. c. 104. n. 42.; *Kuster, Chemn. Conch. Cab.* 63. n. 58. i. 19. t. 9. f. 1, 2.

Cyclost. ambigua *De Lessert, Recueil*, t. 29. f. 5.; *Reeve, Conch. Syst.* t. 183. f. 8.

*a—c.* — ?

Var. *Small.*

Turbo Chemnitzii *Wood, Cat. Supp.* t. 6. f. 6.

Cyclost. Chemnitzii *Gray in Wood's Cat. Supp.* 36.; *Sow. Thes. Conch.* i. 141. n. 140. t. 28. f. 155, 156.; *Pfeiffer*, l. c. 106. n. 58.; *Kuster, Chemn. Conch. Cab.* 92. n. 88. i. 19. t. 32, 33.

*a—c.* — ? From the Collection of Mr. Powis.

*d.* — ?

**\*\* Last whorl separated from the preceding.**

## 28. CHOANOPOMA LINCINELLUM.

Cyclost. lincinella *Lamck. An. s. Vert.* vi. 148. 2nd ed. viii. 359. n. 21.

Cyclost. lincinellum *Sow. Thes. Conch.* i. 140. n. 137. t. 28. f. 150, 151.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 21. f. 3—5.

Turbo compressus *Wood, Cat. Supp.* t. 6. f. 42.

Cyclost. compressum *Gray in Wood's Cat. Supp.* 36.

Cyclost. lincina *Lamck. Enc. Méth.* t. 461. f. 2. a, b.

Choanopoma lincinella *Pfeiffer*, l. c. 107. n. 4.

*Hab.* Jamaica.

## 29. CHOANOPOMA SEMIPRODUCTUM.

*a, b.* — ?

## 23. DIPLOMMATINA.

*Operculum* shelly, thin; whorls few, with thin prominent lamellæ on their external edges. — *Shell* thin, subovate; whorls convex, last subascendent. Mouth nearly circular. Peristome double, outer expanded.

Diplommatina *Benson, Ann. and Mag. Nat. Hist.* 1849, 193.

Carychium (sp.) *Hutton MS.*

Bulimus sp. *Pfeiffer, Helicidæ*, ii. 81.

§ *Apex elongate, conical.*

### 1. DIPLOMMATINA FOLLICULUS.

Diplommatina folliculus *Benson, Ann. and Mag. N. H.* 1849, 194.

Carychium costatum *Hutton MS. Brit. Mus.*

Diplommatina folliculus *Pfeiffer, Mon. Helicidæ*, ii. 81.



- a—f.* India; Simla, near Sutlej. From Mr. Hutton's Collections. *Carychium costatum* *Hutton*.  
*g—ii.* (With operculum.) Landour. From the Collection of Capt. Boys.

§§ *Apex blunt.*

## 2. DIPLOMMATINA COSTULATUM.

- Carychium costulatum* *Hutton MS.*  
*Diplommatina costulatum* *Benson*, l. c. 194.  
*Carychium parvulum* *Boys MS. Brit. Mus.*

Probably only a smaller variety of the preceding.

- a—x.* (With operculum.) Landour. From the Collection of Capt. Boys.

## 3. ?DIPLOMMATINA MINUS.

- Cyclost. minus* *Sow. Thes. Conch.* i. 153. n. 175. t. 30. f. 249.;  
*Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 17. f. 9—11.,  
*Zeitsch.* l. c. 112. n. 6.

- a—d.* Zebu, Philippine Islands. From the Collection of Mr. Cuming.

## 24. CHONDROPOMA.

*Operculum* ovate, subcartilaginous; whorls few, rapidly increasing.  
 — *Shell* for the most part turrited, often truncated. Peristome continuous, for the most part free, simple, single; expanded or thickened.

Differs from *Cyclostomus* in the operculum being thinner and somewhat horny.

- Chondropoma* *Pfeiffer* in *Menke und Pfeiffer, Z. f. Malak.* 1847.

§ *Shell turrited.*

### 1. CHONDROPOMA LIMBIFERUM.

- Cyclost. limbiferum* *Menke MS.* in *Pfeiffer, Zeitsch. für Malak.* 1846, 45.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 46. n. 38. i. 19. t. 6. f. 11, 12. t. 21. f. 6.  
*Cyclost. catenatum* *Gould, Bost. Journ.* iv. 1. 1842?  
*Chondropoma limbiferum* *Pfeiffer*, l. c. 109. n. 4.  
*Hab.* Cuba.

### 2. CHONDROPOMA SEMILABRE.

- Cyclost. semilabris* *Lamck. An. s. Vert.* vi. 2nd ed. viii. 357. n. 12.;  
*De Lessert, Recueil*, t. 29. f. 1. a, b.

Cyclost. semilabrum *Sow. Thes. Conch.* i. 106. n. 44. t. 24. f. 60.;  
Cyclost. semilabre *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t.  
15. f. 17, 18.

Cyclost. sagra *D'Orb.* (fide *Pfeiffer.*)

Cyclost. punctulata *Gould.*

Chondropoma semilabre *Pfeiffer*, l. c. 109. n. 2.

*Hab.* Cuba.

Var.

Cyclost. sagra *Sow. Thes. Conch.* i. 150. n. 166. t. 31. f. 279, 280.

Cyclost. pictum *Pfeiffer, Kuster, Chemn. Conch. Cab.* i. 19. t. 15.  
f. 1—11.; *Pfeiffer*, l. c. 109. n. 1.

Cyclost. mahogani *Gould.*

$\beta$ . minus (Cyclost. Poyeana *D'Orb.*)

Chondropoma pictum *Pfeiffer*, l. c. 109. n. 1.

*a—f.* Cuba.

### 3. CHONDROPOMA PLICATULUM.

Cyclost. plicatum *Pfeiffer, Zeitsch. Malak.* 1846, 48.; *Kuster,*  
*Chemn. Conch. Cab.* 82. n. 77. i. 19. t. 10. f. 14, 15. t. 28. f. 12,  
13.

Chondrop. plicatum *Pfeiffer*, l. c. 109. n. 3.

*Hab.* Puerto Caballo, Venezuela.

### 4. CHONDROPOMA OBESUM.

Cyclost. obesum *Pfeiffer, Wieg. Archiv.* 1840, i. 253.; *Kuster,*  
*Chemn. Conch. Cab.* 83. n. 78. i. 19. t. 10. f. 21—23.; *Sow.*  
*Thes. Conch.* i. 143. n. 146. t. 31. f. 278.

Truncatella obesa *Menke, Synops.* 2nd ed. 137.

Chondropoma obesum *Pfeiffer*, l. c. 109. n. 5.

*Hab.* Cuba.

### 5. CHONDROPOMA HELLENICUM.

*a.* Greece. Presented by C. Lamb, Esq.

### 6. CHONDROPOMA CRENULATUM.

Cyclost. crenulatum *Pfeiffer, Wieg. Archiv.* 1839; *Kuster,*  
*Chemn. Conch. Cab.* i. 19. t. 14. f. 24, 25. 30, 31. var.

Cyclost. Auberianum *D'Orb.* in *Sow. Thes. Conch.* i. 144. n. 150.  
t. 31. f. 285.

Cyclost. lineolatum *Ant.*

Chondrop. crenulatum *Pfeiffer*, l. c. 109. n. 6.

*a—c.* Cuba. From Mr. Cuming's Collection.

§§ *Shell suborbicular, solid.*

# 7. CHONDROPOMA FLAVUM.

Cyclost. flavum *Brod. Proc. Zool. Soc.* 1832, 59.; *Müller, Synops.* 38.; *Sow. Thes. Conch.* i. 109. n. 55. t. 24. f. 70.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 23. n. 14. i. 19. t. 3. f. 9, 10. magn. f. 11., *Zeitsch.* l. c. (an *Littorina*?) 112. n. 3.

*a—d.* Chain Island, South Seas. From the Collection of Mr. Cuming.

# 25. CISTULA.

*Operculum* ovate, thin, horny, with a very thin external shelly coat; whorls few, gradually enlarging, flat, edge simple, centre rather concave.—*Shell* ovate elongate, or conico-turrited. Mouth subcircular. Peristome double, or simple with subexpanded margin.

*Licina Browne, Jamaica,* 1756; *Gray, Proc. Zool. Soc.* 1847, 181.

*Cyclostoma Swainson, Malac.* 1840 (not *Lamck.* 1801).

*Annularia* β. *Schum. N. Syst.* 1817.

§ *Peristome double.*

\* *Shell conico-turrited.*

# 1. CISTULA FASCIA.

*Turbo fascia Wood, Cat. Supp.* t. 6. f. 8.

Cyclost. fascia *Gray in Wood's Cat. Supp.* 36.; *Pfeiffer,* l. c. 105. n. 30.; *Kuster, Chemn. Conch. Cab.* 45. n. 37. i. 19. t. 6. f. 9, 10.; *Sow. Thes. Conch.* i. 149. n. 164. t. 28. f. 176, 177.

*a—c.* Jamaica.

*d, e.* Jamaica. Presented by Professor C. B. Adams.

*f, g.* Jamaica.

# 2. CISTULA COLUMNA.

*Turbo columna Wood, Cat. Supp.* t. 6. f. 21.

Cyclost. columna *Gray in Wood's Cat. Supp.* 36.; *Lamck. An. s. Vert.* 2nd edit. 372. n. 41.; *Pfeiffer,* l. c. 105. 45.; *Kuster, Chemn. Conch. Cab.* 47. n. 39. i. 19. t. 6. f. 13, 14.

*a, b.* Jamaica. Presented by Professor C. B. Adams.

*c—f.* Jamaica. Jun. Presented by Rev. Barham Zincke.

Var. *Suture crenulated.*

Cyclost. *Adamsi Pfeiffer,* l. c. 105. n. 35., *Zeitsch. Malak.* 1846, 43.; *Kuster, Chemn. Conch. Cab.* 48. n. 40. i. 19. t. 6. f. 20, 21.



*Cyclost. crenulatum* Gray MS. in *Sow. Thes. Conch.* i. 148. n. 113. t. 28. f. 174, 175.

*a—e.* Jamaica. Presented by Professor C. B. Adams.

*f—h.* Jamaica.

### 3. CISTULA VERSICOLOR.

*Cyclost. versicolor* Pfeiffer, *Zeitsch. Malak.* 1846, 33., l. c. 105. n. 26.; *Kuster, Chemn. Conch. Cab.* 65. n. 60. i. 19. t. 9. f. 13, 14. (not Grat.)

*Turbo aurantius* Wood, *Cat. Supp.* t. 6. f. 23.

*Cyclost. aurantium* Gray in *Wood's Cat. Supp.* 36.

*Cyclost. aurantiacum* Sow. *Thes. Conch.* i. 103. n. 36. t. 24. f. 46, 47.

*a—f.* Jamaica. Presented by Professor C. B. Adams.

### 4. ? CISTULA COSTATA.

*Cyclost. costatum* Menke MS. in *Pfeiffer, Zeitsch. Malak.* 1846, 47.; *Pfeiffer*, l. c. 106. n. 54.; *Kuster, Chemn. Conch. Cab.* 64. n. 59. i. 19. t. 9. f. 9, 10.

*Hab.* ?

### 5. CISTULA LINEOLATA.

*Cyclost. lineolata* Lamck. *An. s. Vert.* vi. 147. n. 19. 2nd edit. viii. 358.; *De Lessert, Recueil*, t. 29. f. 8.

*Cyclost. lineolatum* Pfeiffer, l. c. 105. n. 48.; *Kuster, Chemn. Conch. Cab.* 49. n. 41. t. 6. i. 19. f. 27, 28.

*a—q.* St. Vincent's, West Indies. From the Collection of Rev. Landsdown Guilding.

*r—t.* — ?

### 6. ? CISTULA DECUSSATA.

*Cyclost. decussata* Lamck. *An. s. Vert.* vi. 2nd ed. viii. 358. n. 17.; *De Lessert, Recueil*, t. 29. f. 6. *a—c.*

*Cyclost. decussatum* Pfeiffer, l. c. 106. n. 56.

*Hab.* Porto Rico.

### 7. CISTULA TRUNCATA.

*Cyclost. truncatum* Mus. Berol. *Rossmass. Iconograph.* vi. 49. t. 28. f. 397.; *Pfeiffer*, l. c. 105. n. 34.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 20, 21.

*Cyclost. candeanum* D'Orb. *Sow. Thes. Conch.* i. 145. n. 151. t. 31. f. 283, 4.

*Hab.* Cuba.

## 8. CISTULA DELATREANA.

Cyclost. Delatreanum *D'Orb. Pfeiff.* l. c. 105. n. 33.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 22, 23.

\*\* *Shell cylindrical.*

## 9. CISTULA RUFILABRIS.

Cyclost. rufilabrum *Beck. MS.* in *Sow. Thes. Conch.* i. 106. n. 45. t. 24. f. 61.; *Pfeiff.* l. c. 106. n. 57.; *Kuster, Chemn. Conch. Cab.* (in plate) t. 6. f. 22, 23.; *Potiez et Mich. Gal. Moll. Douai*, i. 241. t. 24. f. 20, 21.

Cyclost. bilabre *Menke, Moll. Nov. Holl.* 8.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* (in letter-press) 52. n. 45.

*a, b.* — ?

*c.* Orient.

## 10. CISTULA RUGULOSA.

Cyclost. rugulosum *Pfeiffer, Wieg. Archiv*, 1839, *Zeitsch.* l. c. 106. n. 61.

Cyclost. clathratum *Gould.*

*a—c.* Cuba. From the Collection of Mr. Cumming.

*d, e.* — ? Presented by E. Doubleday, Esq.

*f—o.* — ?

## 11. ? CISTULA GRUNERI.

Cyclost. Gruneri *Pfeiffer, Zeitsch. Malak.* 1846, 47., l. c. 105. n. 44.; *Kuster, Chemn. Conch. Cab.* 79. n. 73. i. 19. t. 10. f. 28, 29.

*Hab.* Honduras.

§§ *Peristome single. Shell nearly cylindrical.*

## 12. CISTULA QUATERNATA.

Cyclost. quaternata *Lamck. An. s. Vert.* vi. 147. 2nd edit. viii. 358. n. 15.; *De Lessert, Recueil*, t. 29. f. 3. a. c.

Cyclost. quaternatum *Pfeiff.* l. c. 105. n. 19.; *Kuster, Chemn. Conch. Cab.* 81. n. 77. i. 19. t. 10. f. 12, 13.; *Sow. Thes. Conch.* i. 149. n. 165. t. 28. f. 178, 179.

Cyclost. pupaceum *Sow. MS. Cab. Gray.*

*a, b.* — ?

## 13. CISTULA PUPIFORMIS.

Cyclost. pupiforme *Sow. Thes. Conch.* i. 102. n. 34. t. 24. f. 43,

44.; *Pfeiff.* l. c. 105. n. 32.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 15, 16.

*Hab.* — (Cab. Gray?)

#### 14. CISTULA ELONGATA.

*Turbo elongatus* *Wood, Cat. Supp.* t. 6. f. 10.

*Cyclost. elongatum* *Gray in Wood's Cat. Supp.* 36.; *Sow. Thes. Conch.* i. 107. n. 50. t. 24. f. 64.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 84. n. 79. i. 19. t. 10. f. 19, 20., *Zeitsch.* l. c. 105. n. 28.

*a.* — ?

*b—d.* West Indies. Var. ? with suture crenulated ?

#### 15. ? CISTULA SOLIDA.

*Cyclost. solidum* *Menke, Pfeiff.* l. c. 105. n. 29.; *Kuster, Chemn. Conch. Cab.* i. 19. t. 14. f. 4, 5.

#### 26. LICINA.

*Operculum* — ?

*Shell* conical; last whorl produced out of the spiral line, straight. Mouth circular. Peristome somewhat reflexed, expanded.

*Licina Browne, Jamaica*, 401.

##### 1. LICINA LABEO.

*Nerita labeo* *Müller, Hist. Verm.* ii. 180. n. 367.; *Schröter, Fluss-Conch.* 364.

*Turbo labeo* *Gmel. Syst. Nat.* 3605. n. 73.; *Dillw. Cat.* ii. 865. n. 118.; *Wood, Cat.* t. 32. f. 120.

*Turbo lincina magna* *Chemn. Conch. Cab.* ix. 56. t. 123. f. 1061, 1062.

*Turbo lincina* *Born, Test.* 355. t. 13. f. 5, 6.

*Turbo dubius* *Gmel. Syst. Nat.* 3606. n. 75.

*Cyclostoma labeo* *Lamck. An. s. Vert.* vi. 145. 2nd ed. viii. 356. n. 9., *Enc. Méth.* t. 461. f. 4.; *Desh. Enc. Méth. Vers.* ii. 40. n. 5.; *Féruss. Syst. Conch.* 66. n. 3.; *Sow. Thes. Conch.* i. 146. n. 154. t. 28. f. 165.; *Pfeiffer, Kuster, Chemn. Conch. Cab.* 34. n. 25. i. 19. t. 4. f. 1, 2. t. 9. f. 20., *Zeitsch.* l. c. 105. n. 40.

*Buccinum* *Lister, Hist. Conch.* t. 25. f. 23.; *Schröter, Einleit. Turbo*, n. 60.

*Licina rugosa* *Browne, Jamaica*, 401. t. 40. f. 5—7.

*a, b.* — ? From the Sloane Museum.



## 2. LICINA EVOLUTA.

*Cyclost. evolutum* Reeve, *Pfeiffer*, l. c. 105. n. 41.

*Cyclost. subasperum* Sow. *Thes. Conch.* i. 142. n. 143. t. 28. f. 159.

*Cistula decussata* Humph. *MS. ined.* Sow. l. c.

*Hab.* East Indies.

b. *Operculum thin, few-whorled; front of last whorl rounded.*

## 27. POMATIAS.

*Operculum* thin, shelly, few-whorled, composed of two plates, concamerated within.—*Shell* somewhat imperforate, conico-turrited or turrited, longitudinally striated or ribbed. Peristome nearly simple or double, the internal edge continuous, the external reflexed.

*Pomatias* Studer, *Verz.* 21. 1820; *Hartmann*; *Gray, Syn. B. M.* 1842, 91., *Proc. Zool. Soc.* 1847, 182.; *Troschel in Menke und Pfeiffer, Z. f. Malak.* 1847, 43.

*Cyclostoma* sp. *Drap. Lamck. Hist. An. s. Vert.*

§ *Peristome eared.*

## 1. POMATIAS AURITUS.

*Cyclostoma auritum* Ziegler *MS.* in *Rossmass. Iconograph.* vi. 50. t. 28. f. 398.; *Sow. Thes. Conch.* i. 148. n. 162. t. 28. f. 172.

*Cyclost. excissilabrum* Megerle (fide *Crist. & Jan.*) in *Potiez et Mich. Gal. Moll. de Douai*, i. 236. n. 9. t. 24. f. 5, 6.

*Pomatias auritus* *Pfeiffer*, l. c. 110. n. 1.

a—c. Albania.

d—k. — ?

l—r. Dalmatia. Presented by Charles Lamb, Esq.

## 2. POMATIAS MACULATUS.

*Cyclostoma maculatum* *Drap. Moll.* 39. n. 13. t. 1. f. 12.; *Sturm, Faun.* vi. 47. t. 3.; *Stud. Verz.* 22.; *Pfeiffer, Syst. Anord.* iii. 43. t. 7. f. 30.; *Rossmass. Iconog.* vi. 51. t. 28. f. 399, 400.; *Potiez et Mich. Gal. Moll. Douai*, i. 239. n. 15. var. A. maj. = *Cyclost. tessellatum* Ziegler, *Desm. Cat. Moll. de Gironde*, 18. n. 2.

*Cyclost. affinis* *Parreyss MS.* in *Brit. Mus.*

*Cyclost. turriculatum* *Philippi, Enum. Moll. Sic.* 144.

*C. turriculatum* a. *Menke, Synops.* 40.

*Cyclost. tessellatum* Sow. *Thes. Conch.* i. 147. n. 158. t. 28. f. 173.

*Cyclost. striolatum* Sow. *Thes. Conch.* i. t. 31. f. 286.

Pomatias Studeri  $\beta$ . *Hartmann*, § 214. n. 5.

Pomatias maculatus *Pfeiffer*, l. c. 110. n. 6.

*a—d.* Corfu.

*e, f.* Syria (*C. affinis*). Var. *Rossmass.* From the Collection of M. Parreyss.

*g—x.* —? From the Collection of M. Ziegler.

### 3. POMATIAS TESSELLATUS.

*Cyclostoma tessellatum* *MS.* in *Berlin Museum*, fide *Rossmass. Iconograph.* vi. 53. t. 28. f. 404.

*Pomatias tessellatus* *Pfeiffer*, l. c. 110. n. 2.

*Hab.* Corfu.

### 4. POMATIAS CINERASCENS.

*Cyclostoma cinerascens* *Rossmass. Iconograph.* vi. 53. t. 28. f. 406.

*Pomatias cinerascens* *Pfeiffer*, l. c. 110. n. 7.

*Hab.* Dalmatia.

### 5. POMATIAS PATULUS.

*Cyclostoma patulum* *Drap. Moll.* 38. t. 1. f. 9—11.; *Lamck. An. s. Vert.* 2nd edit. viii. 362. n. 26.; *Rossmass. Iconog.* vi. 52. t. 28. f. 401, 402, 403. vars., *Col. des Ch. Cat. des Coq. du Finist.* 71. n. 2.

*Cyclost. turriculatum* b. majus unicolor *Menke, Synops.* 40.

*Cyclost. obscurum* var. major *Drap. Moll.* 39. n. 14. t. 1. f. 13. ?

*Pomatias patulus* *Pfeiffer*, l. c. 110. n. 5.

*a—f.* Provence.

*g—p.* Grasse, South of France. Presented by G. Newman, Esq.

*q.* Perpignan, France.

*r—t.* Styria.

§§ *Peristome simple.*

### 6. POMATIAS OBSCURUS.

*Cyclostoma obscurum* *Drap. Moll.* 39. t. 1. f. 13.; *Rossmass. Iconograph.* vi. 53. t. 28. f. 405.

*Cyclost. patulum* *Sow. Thes. Conch.* i. 147. n. 159. t. 28. f. 170.

*Cyclost. maculatum* *Sow. Thes. Conch.* i. t. 28. f. 171.

*Pomatias obscurus* *Pfeiffer*, l. c. 110. n. 3.

*a—c.* Pyrenees.

*d—h.* —?

*i—m.* Naples. Presented by S. P. Pratt, Esq.

*n, o.* Dauphiny. Presented by Professor E. Forbes.

## 7. POMATIAS STRIOLATUS.

*Cyclostoma striolatum* Porro, *Rev. Zool.* 1840, 106. (not Sow. f. 286.)

*Pomatias striolatus* Pfeiffer, l. c. 110. n. 4.

*Hab.* Europe.

## 8. POMATIAS SCALARINUS.

*Pomatias scalarinus* Villa in Pfeiffer, l. c. 110. n. 8.

## 9. POMATIAS GRACILIS.

*Pomatias gracilis* Kuster, Pfeiffer, l. c. 110. n. 9.

## 28. REALIA.

*Operculum* thin, few-whorled, horny. — *Shell* globose, turbinate, or turritid. Aperture oval. Peristome simple, straight, or somewhat expanded, with margins approximated.

*Realia* Gray, *Syn. B. Mus.* 1840, 1844, 91., *Proc. Zool. Soc.* 1847. (Cycl. rubens Quoy.)

*Hydrocena Parreyss* MS.? Pfeiffer in Menke und Pfeiffer, *Z. f. Malak.* 1847.

## 1. REALIA CATTAROENSIS.

*Cyclost. cattaroense* Pfeiffer, *Wieg. Archiv.* 1841.

*Hydrocena cattaroensis* Pfeiffer, *Zeitsch.* l. c. 112. n. 1.

*Hab.* Cattaro.

## 2. REALIA BELANGERI.

? *Cyclost. aurantiacum* Desh. *Voy. Belanger, Zool.* 416. n. 6. t. 1. f. 16, 17.; *Lamck. An. s. Vert.* 2nd ed. viii. 373. n. 43.

*Hydrocena Belangeri* Pfeiffer, l. c. 112. n. 3.

*Hab.* Pondicherry.

## 3. REALIA MINUTISSIMA.

*Cyclost. minutissimum* Sow. *Zool. Proc.* 1832, *Thes. Conch.* i. 102. n. 33. t. 30. f. 251.

*Hydrocena minutissima* Pfeiffer, l. c. 112. n. 2.

*Hab.* Pitcairn's Island.

## 4. REALIA EROSA.

*Cyclostoma erosa* Quoy & Gaim. *Voy. Astr. Zool.* ii. 191. t. 12. f. 40—44.; *Lamck. An. s. Vert.* 2nd edit. viii. 370. n. 37.



*Hydrocena erosa Pfeiffer*, l. c. 112. n. 4.

*Hab.* Isle of Guam, Marianne Islands.

#### 5. REALIA RUBENS.

*Cyclost. rubens Quoy & Gaim. Voy. Astr. Zool.* ii. 189. t. 12. f. 36—39.; *Lamck. An. s. Vert.* 2nd edit. viii. 368. n. 34.

*Hydrocena rubens Pfeiffer*, l. c. 112. n. 5.

*Hab.* Mauritius.

#### 6. REALIA DUBIA.

*Hydrocena dubia Pfeiffer*, l. c. 112. n. 6.

*Assaminea* sp. *Cuming MS.*

#### 7. REALIA HIEROGLYPHICA.

*Hydrocena hieroglyphica Fér.*; *Pfeiffer*, l. c. 112. n. 7.

#### 8. REALIA OPARICA.

*Hydrocena oparica Pfeiffer*, l. c. 112. n. 8.

*Assaminea* sp. *Cuming.*

#### 9. REALIA EGEEA.

*Realia Egea Gray, Proc. Zool. Soc.* 1849.

*a.* New Zealand. Presented by Dr. A. Sinclair, R. N.

*b—d.* New Zealand. Presented by Major Greenwood.

### 29. FERUSSINA.

*Ferussina Grateloup, Bull. Soc. Linn. Bord.* ii. 5. 92. 1826? 1827;  
*Rang, Man.* 180. 1829; *Pot. et Mich. Gal.* i. 232. 1833.

*Ferussacia Leufroy, Ann. Sci. Nat.* xv. 403. 1828 (not Risso, 1826);  
*Oken, Isis*, 1834, 1036.; *Bronn, Lith.* 1013. 1838.

*Strophostoma Desh. Ann. Sc. Nat.* xiii. 1830, *Encyc. Méth.* ii. 51.  
832. iii. 998.; *Gray, Syn. B. M.* 1842, 91.

*Anastoma* sp.

#### 1. FERUSSINA ANASTOMÆFORMIS.

*Ferussina anastomæformis Grateloup*, l. c.

*Strophostoma lævigata Desh. Ann. Sc. Nat.* xiii. 286. t. 11 a. f. 1. 4.

*Ferussacia lævigata Bronn, Lith.* 1013. 40. t. 27.

Fossil.

C. *Uncertain Species.*

## 1. CYCLOSTOMA VARIEGATUM.

Cyclost. variegatum *Swains. Pfeiffer*, l. c. 112. n. 9.

## 2. CYCLOSTOMA CININNATIENSE.

Cyclost. cinnatiense *Lea*; *Pfeiffer*, l. c. 112. n. 1.

## 3. CYCLOSTOMA MARGINATUM.

Turbo marginatus *Chemn. Conch. Cab.* ix. 60. t. 123. f. 1075. a and b.

Cyclost. marginatum *Pfeiffer*, l. c. 112. n. 5.

## 4. CYCLOSTOMA RIVULARIS.

Cyclost. rivularis *Eichw.*; *Pfeiffer*, l. c. 112. n. 7.

## 5. CYCLOSTOMA LIMBIFERUM.

Cyclost. limbiferum *Menke, Kuster, Chemn. Conch. Cab.* i. 19. t. 21. f. 6.

## 6. CYCLOSTOMA DENTATUM.

Cyclost. dentatum *Say*; *Pfeiffer*, l. c. 105. n. 37.

## 7. CYCLOSTOMA CARNEUM.

Cyclost. carneum *Menke MS. Pfeiffer, Kuster, Chemn. Conch. Cab.* 65. n. 61. i. 19. t. 9. f. 11, 12.

*Hab.* ?

*Doubtful Species.*

## 8. CYCLOSTOMA FASCIATA.

Cyclost. fasciata *Lamck. An. s. Vert.* vi. 2nd ed. viii. 358. n. 14., *Enc. Méth.* t. 461. f. 7.; *Desh. Enc. Méth. Vers*, ii. 42. n. 10.

Cyclost. fasciatum *Sow. Thes. Conch.* i. 108. n. 52. t. 24. f. 65.

*Helix truncata Dillw. Cat.* ii. 948. n. 137.

*Helix decollata Chemn. Conch. Cab.* ix. t. 136. f. 1256, 1257.;

*Favanne, Conch.* t. 65. f. B. 10.

*Hab.* St. Domingo.





## FAM. II. ACICULIDÆ.

*Head* with a rather produced aculeated proboscis, truncated at the end. *Tentacula* subulate. *Eyes* on the back of the head, between, and rather behind the base of, the tentacula.

*Foot* oblong, short.

*Shell* spiral, turrited. *Mouth* ovate.

*Operculum* spiral, few-whorled, thin.

*Auriculadæ* (pars) *Gray, Syn. B.M.* 1840, *Turton's Man.* 2nd ed. 222., *Proc. Zool. Soc.* 1848, 130.

*Cyclostomacea* (pars) *Pfeiffer, Zeitsch. f. Malak.* 1847, 103.

These animals have been confounded with *Auriculadæ*. Fé-russac (*Dict. Class. H. N.* ii. 90. 1822) first noticed the operculum, and Mr. Alder has more lately described it.

## 1. ACICULA.

*Operculum* very thin, glassy, few-whorled.— *Shell* subimperfurate; cylindrical. *Peristome* rather thickened, with sub-parallel margins joined by a thin callus.

*Acicula* *Hartmann* in *Steinmuller, Neue Alpina*, i. 205. 215. 1821 (not *Risso*, 1826, nor *Blainv.* 1825); *Pfeiffer, Archiv f. Naturg.* i. 228. 1825, in *Menke und Pfeiffer, Z. f. Malak.* 1847.

*Auricula* (pars) *Draparnaud.*

*Carychium* *Studer.*

*Carychium* sp. *Fleming, Brit. Anim.* 1828; *Potiez et Mich. Gal. Moll. Douai.*

*Acme* *Hartmann*, 1828; *Sturm, Faun.* vi. 37. 1821; *Gray, Turt. Man.* 2nd ed. 222.

*Acmea* *Gray, Proc. Zool. Soc.* 1847, 180.

*Turbo* sp. *Montag. B. Shells.*

*Bulimus* sp. *Turton.*

*Cyclostoma* sp. *Férussac, Dict. Class. Hist. Nat.* ii. 90.; *Porro; Alder, Moll. North.; Quoy & Gaim. Voy. Astrol.* ii. 186.

*Pupula* *Agassiz* in *Charpent. Catal.* 22. 1839; *Hartmann, Erd et Sussw. Gasterop.* 1840.

*Auricella* sp. *Jurine.*

*N. B.* *Acmea* *Hartmann* in *Steinmuller, Neue Alpina*, 204. 212., according to *Herrmannsen*, i. 15., is established on *Cyclostoma truncatula* *Drap.*, and is synonymous with *Truncatella* *Risso*. *Acmea* of *Eschscholtz* is the *Lottia* of *Gray*.

## 1. ACICULA FUSCA.

*Turbo fuscus* Walker, *Min. Shells*, f. 42.

*Auricula lineata* Drap. *Moll.* 17. t. 3. f. 20, 21.

*Carychium lineatum* Pfeiffer, *Syst. Anord.* iii. 43. t. 7. f. 26, 27.;

*Rossmass. Iconog.* vi. t. 29. f. 408.

*Carychium cochlea* Stud. *Syst. Verz.* 21.; *Fér. Prodr.* 104. n. 1.

*Carychium acicularis* Férus. *Dict. Sc. Nat.* vii. 188. 1817.

*Acicula lineata* B. polita Hartm. *Neue Alpin.* 215. n. 9.

*Acme lineata* Hartm.; *Sturm, Faun.*

*Bulimus lineatus* Turton, *Man.* n. 66.

*Carychium fuscum* Flem. *Brit. An.* 270. n. 97.

*Acicula fusca* Pfeiffer, l. c. 111. n. 2.

*a—z.* Copford, Essex. Semifossil. Presented by Miss Alicia Barker.

*aa—rrr.* Copford, Essex. Semifossil. Presented by S. P. Woodward, Esq.

## 2. ACICULA SPECTABILIS.

*Acicula spectabilis* Rossmass.; Pfeiffer, l. c. 111. n. 1.

*Hab.*

## 3. ACICULA STRIATA.

*Cyclost. striata* Quoy & Gaim. *Voy. Astrol.* ii. 186. t. 12. f. 27.

*Hab.* Vanikoro, on leaves. Quoy.

## 2. GEOMELANIA.

*Animal* like *Acicula*. — *Operculum* horny, ovate, of a few rapidly enlarging whorls. — *Shell* imperforate, turrited. Aperture entire, effused. Peristome simple, expanded; the margins joined, the basal produced into a somewhat twisted tongue-shaped appendix.

*Geomelania* Pfeiffer in Menke und Pfeiffer, *Z. f. Malak.* 1847.

## 1. GEOMELANIA JAMAICENSIS.

*Geomelania jamaicensis* Pfeiffer, l. c. 111. n. 1.

*a—c.* Jamaica.

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